

# EIC3600 COMMERCIAL DATABASE SEARCH REQUEST

(61)

Staff Use Only

Access DB# 94254

Log Number \_\_\_\_\_

☐ RUSH - SPE signature required: \_\_\_\_\_

Business Methods Case: 705/26

Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705.

Requester's Full Name: Forest Thompson Examiner #: 76652 Date: 05/16/2003

Art Unit: 3625 Phone Number 306-5449 Serial Number: 09/667,169

Bldg & Room #: 7B27 Results Format Preferred: ☒ PAPER ☐ DISK ☐ E-MAIL ☐

If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following:

Title of Invention: Agent enabled dynamic participation in multiple simultaneous online auctions

Inventors (provide full names): Vipul Bansal; Rahul Garg

Earliest Priority Filing Date: 09/21/2000

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are: abstract, background, summary, claim(s) [not all of the claims].

The claimed or apparent novelty of the invention is:

The use of software-based agents to act on behalf of human bidders for dynamic participation in multiple online auctions. The software-based agents may reside on computer systems or any type of stationary or mobile terminal. On the basis of bidding-related information from a bidder, a software agent selects a plurality of auctions to place bids in. Upon being outbid, the agent determines whether to place an additional bid in a further auction. The agent can make such a determination on the basis of maximizing profitability or surplus.

This search should focus on:

(Also include keywords or synonyms)

## KEYWORDS:

Arrange offerings for auctions into one or more groups

Agents represent bidders

agent selecting auctions to bid in

software agents

agent receiving bid information from bidders

bid in auctions over a communications network

on-line auctions

Special Instructions or Other Comments

Send to STIC-EIC3600 (email)

05-10-03-12:11

## STAFF USE ONLY

Searcher: Bode Alimola

Searcher Phone #: 308 6150

Searcher Location: EIC 3600

Date Searcher Picked Up: 5-21-03

Date Completed: 5-22-03

Searcher Prep & Review Time: 120min

Clerical Prep Time: \_\_\_\_\_

Online Time: 180min

## Type of Search

NA Sequence (#) \_\_\_\_\_

AA Sequence (#) \_\_\_\_\_

Structure (#) \_\_\_\_\_

Bibliographic \_\_\_\_\_

Litigation \_\_\_\_\_

Fulltext \_\_\_\_\_

Patent Family \_\_\_\_\_

Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_

Dialog \$ 1266.00

Questel/Orbit \_\_\_\_\_

Dr.Link \_\_\_\_\_

Lexis/Nexis \_\_\_\_\_

Sequence Systems \_\_\_\_\_

WWW/Internet ✓

Other (specify) \_\_\_\_\_



# ***STIC Search Report***

**EIC 3600**

**STIC Database Tracking Number: 94254**

**TO: Forest Thompson**  
**Location: CPK5 7B27**  
**Art Unit : 3625**  
**Thursday, May 22, 2003**

**Case Serial Number: 09/667169**

**From: Bode Akintola**  
**Location: EIC 3600**  
**PK5-Suite 804, 8A01**  
**Phone: 308-6150**

**Olabode.akintola@uspto.gov**

## **Search Notes**

# EIC3600 COMMERCIAL DATABASE SEARCH REQUEST

(61)

☐ RUSH - SPE signature required: \_\_\_\_\_

Business Methods Case: 705/26

Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705.

Staff Use Only  
Access DB# 94254  
Log Number \_\_\_\_\_

Requester's Full Name: Forest Thompson Examiner #: 76652 Date: 05/16/2003

Art Unit: 3625 Phone Number 306-5449 Serial Number: 09/667,169

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If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following:

Title of Invention: Agent enabled dynamic participation in multiple simultaneous online auctions

Inventors (provide full names): Vipul Bansal; Rahul Garg

Earliest Priority Filing Date: 09/21/2000

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are: **abstract, background, summary, claim(s) [not all of the claims].**

The claimed or apparent novelty of the invention is:

The use of software-based agents to act on behalf of human bidders for dynamic participation in multiple online auctions. The software-based agents may reside on computer systems or any type of stationary or mobile terminal. On the basis of bidding-related information from a bidder, a software agent selects a plurality of auctions to place bids in. Upon being outbid, the agent determines whether to place an additional bid in a further auction. The agent can make such a determination on the basis of maximizing profitability or surplus.

This search should focus on:

(Also include keywords or synonyms)

## KEYWORDS:

Arrange offerings for auctions into one or more groups

Agents represent bidders

agent receiving bid information from bidders

agent selecting auctions to bid in

bid in auctions over a communications network

software agents

on-line auctions

Special Instructions or Other Comments .....

5/22/03

Set	Items	Description
S1	2891	(INTELLIGENT? OR SOFTWARE? OR AUTOMAT?) (2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	2334	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCHAUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION
S3	152075	BID OR BIDS OR BIDDING OR OFFER?
S4	331422	ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR HOME- PAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?
S5	97	S1(15N) (S2 OR S3)
S6	45	S5(20N)S4
S7	34	S6 AND IC=G06F?

? show file

File 348:EUROPEAN PATENTS 1978-2003/Apr W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030515,UT=20030508

(c) 2003 WIPO/Univentio

all considered



7/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01526302

**Method and system for automated marketing of attention area content**  
**System und Verfahren fur den automatisierten Handel des Inhaltes einer**  
**Aufmerksamkeitsoberflache**

**Methode et systeme pour le marketing automatise du contenu d'un emplacement**  
**publicitaire**

PATENT ASSIGNEE:

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Centrum voor Wiskunde en Informatica, (4153930), Kruislaan 413, 1098 SJ  
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PATENT (CC, No, Kind, Date): EP 1274034 A1 030108 (Basic)

APPLICATION (CC, No, Date): EP 2002077650 020702;

PRIORITY (CC, No, Date): EP 2001202606 010706; EP 2001203359 010906; US  
317682 010906

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 156

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200302	595
SPEC A	(English)	200302	6524
Total word count - document A			7119
Total word count - document B			0
Total word count - documents A + B			7119

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION niche in the market via the CASy.

We now briefly describe the development of adaptive **software agents**  
that can perform **online** learning from a repeated general Vickrey  
**auction** , and we show some of the results we obtained with this adaptive  
approach based on neural **networks** .

First we remark that for online-learning, we deal with a variant of  
Reinforcement Learning...

7/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01432002

**Process and apparatus for automatically monitoring the hardware resources of a computer**

**Verfahren und Vorrichtung zur automatischen Überwachung der Hardware eines Rechners**

**Procede et dispositif pour surveiller automatiquement les ressources materielles d'un ordinateur**

PATENT ASSIGNEE:

Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Applicant designated States: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

Lloyd, Richard Graham (75503), Intellectual Property Section, Legal Department, HEWLETT-PACKARD FRANCE, Etablissement de Grenoble, 38053 Grenoble Cedex 9, (FR)

PATENT (CC, No, Kind, Date): EP 1211596 A1 020605 (Basic)

APPLICATION (CC, No, Date): EP 2000410147 001130;

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/445

ABSTRACT WORD COUNT: 183

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200223	804
SPEC A	(English)	200223	5506
Total word count - document A			6310
Total word count - document B			0
Total word count - documents A + B			6310

INTERNATIONAL PATENT CLASS: G06F-009/445

...SPECIFICATION user, the upgrade of a given machine by initiating an automatic transaction with an external **server**, such as an accessory **server**. The **agent** particularly **automates** the extraction of technical information which is essential for the preparation of a well tailored **offer** to the user, and which is certainly not easy to gather, such as the type...

7/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01421041

**Online auction systems**

**Online Versteigerungssysteme**

**Systemes de vente aux encheres en-ligne**

PATENT ASSIGNEE:

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard, Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Bode Akintola 22-May-03

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Cudd, Richard, 36 Grove Road, Ealing, London W5 5DS, (GB)

LEGAL REPRESENTATIVE:

Williamson, Brian et al (84715), International IP Department, NCR  
Limited, 206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 1199663 A2 020424 (Basic)

APPLICATION (CC, No, Date): EP 2001307920 010918;

PRIORITY (CC, No, Date): GB 25570 001018

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 119

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200217	1279
SPEC A	(English)	200217	4875
Total word count - document A			6154
Total word count - document B			0
Total word count - documents A + B			6154

INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION Internet to the seller or buyer of goods without needing to access a third party **website** .

Specifically, the invention envisages a software application for end users that allows a user to create two different types of **software agents** , namely a seller agent and a buyer agent. A seller agent creates an **auction** on a selling user's computing device, given certain parameters such as reserve price, date...

...CLAIMS 46, 47).

14. The method of Claim 13, wherein a software agent searches for matching **offers** across the communications **network** .

15. The method of Claim 13 or Claim 14, wherein a **software agent** receives, compares and matches **offers** .

16. The method of any of Claims 13 to 15, wherein a **software agent** opens the peer to peer communication channel between user terminals (A, B, 45, 46, 47...

...user terminal (A, B, 45, 46, 47).

18. The method of Claim 17, wherein the **software agent** runs the **auction** as a background task on the desktop of the user terminal (A, B, 45, 46, 47).

19. An **online** auction system for conducting an online auction on a communications network, the system comprising:

a...

7/3,K/4 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01000998

DATA PROCESSING SYSTEM AND METHOD

SYSTEME ET PROCEDE DE TRAITEMENT DE DONNEES

Bode Akintola 22-May-03

Patent Applicant/Assignee:

SIT-UP LIMITED, 3rd floor, Stamford Bridge, Fulham Road, London SW6 1HS,  
GB, GB (Residence), GB (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

GLASSPOOL Andrew, Sit-Up Limited, 3rd Floor,, Stamford Bridge, Fullham  
Road, London SW6 1HS, GB, GB (Residence), GB (Nationality), (Designated  
only for: US)

Legal Representative:

KAZI Llya (et al) (agent), Mathys & Squire, 100 Grays Inn Road, London  
WC1X 8AL, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200330041 A2 20030410 (WO 0330041)

Application: WO 2002GB4353 20020927 (PCT/WO GB0204353)

Priority Application: WO 2001GB4367 20011001; GB 200126127 20011031

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12735

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... of bids are entered into the auction by each bidder during the course  
of the **auction** .

This problem may be exacerbated by the use of proxy bidders or **automatic  
bidding agents** . Proxy **bids** have been used in conventional  
**auctions** and an automatic  
bidding agent is a known feature of prior art automated auction systems,  
particularly of **Internet** -based auction systems which take place over a  
long period of time when the bidder is unlikely to be **online** . Bidders  
may deploy an **automatic bidding agent** to monitor the status of the  
**auction** and to make **bids** , increasing the **bid** value as necessary up  
to a pre-defined maximum amount. This allows the bidder to...

7/3,K/5 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00943767 \*\*Image available\*\*

**SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT  
SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION  
DE CHAINE D'APPROVISIONNEMENT**

Patent Applicant/Assignee:

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states except: US)

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BURNS Michael Paul, Restaurant Services, Inc., Two Alhambra Plaza, Suite  
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(Designated only for: US)

Legal Representative:

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3000 K Street, N.W., Suite 500, Washington, D.C. 20007-5109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200277917 A1 20021003 (WO 0277917)

Application: WO 2002US8287 20020319 (PCT/WO US0208287)

Priority Application: US 2001815580 20010323; US 2001815598 20010323; US  
2001816565 20010323; US 2001816488 20010323; US 2001816426 20010323; US  
2001815899 20010323; US 2001816507 20010323; US 2001816422 20010323; US  
2001816269 20010323; US 2001816491 20010323; US 2001816101 20010323; US  
2001816231 20010323; US 2001816421 20010323; US 2001816069 20010323; US  
2001816296 20010323; US 2001816249 20010323; US 2001816121 20010323; US  
2001815668 20010323; US 2001816187 20010323; US 2001815490 20010323; US  
2001816471 20010323; US 2001815606 20010323; US 2001815777 20010323; US  
2001815813 20010323; US 2001816429 20010323; US 2001815515 20010323; US  
2001816543 20010323; US 2001816349 20010323; US 2001816331 20010323; US  
2001816167 20010323; US 2001816881 20010323; US 2001816536 20010323; US  
2001816092 20010323; US 2001816576 20010323; US 2001815759 20010323; US  
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2001815483 20010323; US 2001816553 20010323; US 2001815688 20010323; US  
2001816388 20010323; US 2001816358 20010323; US 2001815729 20010323; US  
2001816537 20010323; US 2001816434 20010323; US 2001815897 20010323; US  
2001815734 20010323; US 2001816431 20010323; US 2001816021 20010323; US  
2001816454 20010323; US 2001816413 20010323; US 2001816430 20010323; US  
2001816428 20010323; US 2001815830 20010323; US 2001816922 20010323; US  
2001815489 20010323; US 2001816048 20010323; US 2001815727 20010323; US  
2001816212 20010323; US 2001815660 20010323; US 2001815894 20010323; US  
2001816151 20010323; US 2001816582 20010323; US 2001816033 20010323; US  
2001816357 20010323; US 2001816420 20010323; US 2001815731 20010323; US  
2001816503 20010323; US 2001816160 20010323; US 2001815893 20010323; US  
2001816414 20010323; US 2001815792 20010323; US 2001815864 20010323; US  
2001816896 20010323; US 2001815725 20010323; US 2001816285 20010323; US  
2001815973 20010323; US 2001815845 20010323; US 2001816314 20010323; US  
2001816075 20010323; US 2001816944 20010323; US 2001815559 20010323; US  
2001816203 20010323; US 2001816567 20010323; US 2001816268 20010323; US  
2001816424 20010323; US 2001816564 20010323; US 2001816455 20010323; US  
2001816412 20010323; US 2001815590 20010323; US 2001816555 20010323; US  
2001816560 20010323; US 2001816427 20010323; US 2001834600 20010413; US  
2001834838 20010413; US 2001834924 20010413; US 2001834465 20010413

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 114107

...International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... XML. Such a standard way of describing data would enable a user to  
send an intelligent agent (a program) to each 1 5 computer maker's  
Web site, gather data, and then make a valid comparison. XML can be used

by any...

7/3,K/6 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00939317 \*\*Image available\*\*

**SCHEMAS FOR A NOTIFICATION PLATFORM AND RELATED INFORMATION SERVICES**  
**SCHEMAS POUR UNE PLATE-FORME DE NOTIFICATION ET SERVICES D'INFORMATIONS**  
**ASSOCIEES**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

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Legal Representative:

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98074, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200273454 A2-A3 20020919 (WO 0273454)

Application: WO 2002US8061 20020314 (PCT/WO US0208061)

Priority Application: US 2001275809 20010314; US 200117680 20011022

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 28811

Main International Patent Class: G06F-017/21

Fulltext Availability:

Detailed Description

Detailed Description

... the information according to defined schemas.

Information sources include e-mail providers, voice-mail providers,  
**online auction** services, news services, financial services, new  
classes of **automated agent** -based services such as automated  
scheduling and travel assistance, and so forth. Recipient devices include  
...

7/3,K/7 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00931205 \*\*Image available\*\*

**SYSTEM AND METHODS FOR CONTINUOUS FARE SHOPPING AND VIRTUAL GROUPING OF**

# ITINERARY REQUESTS

## SYSTEME ET PROCEDES D'ACHAT EN CONTINU ET DE GROUPEMENT VIRTUEL DE DEMANDES D'ITINERAIRE

Patent Applicant/Assignee:

SABRE INC, 4255 Amon Carter Boulevard, MD 4204, Fort Worth, TX 76155, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

MILLER Rodney D, 4120 Wimbledon Drive, Fower Mound, TX 75028, US, US  
(Residence), US (Nationality), (Designated only for: US)  
TERRY Lezlie M, 1467 Pacific Place, Ft Worth. TX 76112, US, US  
(Residence), US (Nationality), (Designated only for: US)  
NILSON Victor A, 1656 Royal Oaks Court, Southlake, TX 76092, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GARRETT Arthur S (agent), Finnegan, Henderson, Farrah, Garrett &  
Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315 (et al),  
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200265234 A2-A3 20020822 (WO 0265234)  
Application: WO 2002US1245 20020208 (PCT/WO US0201245)  
Priority Application: US 2001779973 20010209

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4684

Main International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... products.

18 The system of Claim 17, wherein the suppliers submit the one or more  
**bids** to the DPO/CSE manually or **automatically** through proxy **agents** ,  
based on proxy trading rules.

19 A method for **auctioning** consumer demand to suppliers in a travel  
information **network** comprising the steps of.  
transferring a PNR from a distribution system to a request adapter...

7/3,K/8 (Item 5 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00918362 \*\*Image available\*\*

TRANSACTIONS BETWEEN VENDORS AND CUSTOMERS USING PUSH/PULL PLATFORM

TRANSACTIONS ENTRE COMMERÇANTS ET CLIENTS UTILISANT UNE PLATEFORME  
POUSSER-TIRER

Patent Applicant/Assignee:

VOXAGE LTD, Maples and Calder, Attorneys at Law, Ugland House, P.O. Box  
309, George Town, Grand Cayman, KY, -- (Residence), -- (Nationality),



(For all designated states except: US)

Patent Applicant/Inventor:

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(Nationality), (Designated only for: US)  
BATCHIA Leon, Str. Logofatul Tauto, Nr. 4, Bl. C4, Ap. 23, Sector 3,  
Bucharest, RO, RO (Residence), RO (Nationality), (Designated only for:  
US)

Legal Representative:

MIRABITO A Jason (agent), Mintz, Levin, Cohn, Ferris, Glovsky and Popeo,  
P.C., One Financial Center, Boston, MA 02111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200252377 A2 20020704 (WO 0252377)  
Application: WO 2001US49630 20011221 (PCT/WO US0149630)  
Priority Application: US 2000746984 20001222

Parent Application/Grant:

Related by Continuation to: US 2000746984 20001222 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5877

Main International Patent Class: G06F

Fulltext Availability:

Claims

Claim

... acceptance system as in claim 39, further comprising:

the user interface coupled to a wireless **network**.

42 The offer and acceptance system as in claim 25, further comprising:  
the **offer** package engine having a system **intelligent agent** that  
generates an **offer** package.

43 The **offer** and acceptance system as in claim 42, further comprising:  
the system **intelligent agent** configured to interact with a customer  
**intelligent agent** to negotiate the **offer** package.

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7/3,K/9 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00893394 \*\*Image available\*\*

ONLINE INTELLIGENT INFORMATION COMPARISON AGENT OF MULTILINGUAL ELECTRONIC  
DATA SOURCES OVER INTER-CONNECTED COMPUTER NETWORKS

AGENT EN LIGNE INTELLIGENT DE COMPARAISON D'INFORMATIONS DE SOURCES DE  
DONNEES ELECTRONIQUES MULTILINGUES VIA DES RESEAUX INFORMATIQUES  
INTERCONNECTES

Patent Applicant/Inventor:

HSIEH Victor, 1214 South 9th Street, Alhambra, CA 91801, US, US  
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Legal Representative:

SEKIMURA Gerald T (agent), Gray Cary Ware & Freidenrich LLP, 139 Townsend

Street, Suite 400, San Francisco, CA 94107-1922, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200227534 A2 20020404 (WO 0227534)  
Application: WO 2001US30722 20010927 (PCT/WO US0130722)  
Priority Application: US 2000236574 20000929; US 2001192999 20010619  
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 22630

Main International Patent Class: **G06F-017/00**  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... afore-mentioned problems, an alternative to manual and partially automated manipulation, based upon a new **Internet** strategy, is automatic manipulation- **online intelligent** price comparison **agents** that can relieve the price comparison process of **online** catalog buying or shopping, ( **auctioning** , etc.), and can meanwhile provide a better navigational environment with an **Internet** -friendly interactive-agent-character graphical user interface (IACGUI). This will be particularly useful when the...Semantics Recognition Buyer Agents to contact various designated online vendor sites through the World Wide **Web** . The use of this multi-threading methodology is preferably built on top of DCOM technology **offered** by Microsoft Corporation. Each Semantics Recognition Buyer **Agent** **20 intelligently** fills-in the vendor's search form with the product information provided by the human...Recognition Buyer Agents **20** to contact various designated online vendor sites through the World Wide **Web** .

#### Step (4)

The use of this multi-threading methodology is preferably built on top of DCOM technology **offered** by Microsoft Corporation. Each Semantics Recognition Buyer **Agent intelligently** fills-in the vendor's search form with the product information provided by the human...

7/3,K/10 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00891414 \*\*Image available\*\*

**METHOD AND SYSTEM FOR FORMING A LIST-BASED VALUE DISCOVERY NETWORK**  
**PROCEDE ET SYSTEME DE FORMATION D'UN RESEAU PERMETTANT DE DECOUVRIR LA**  
**VALEUR D'UNE MARCHANDISE INSCRITE SUR UNE LISTE**

Patent Applicant/Assignee:

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US (Residence), US (Nationality)

Inventor(s):

GELLMAN Peter, 85 South Adelaide Avenue, Highland Park, NJ 08904, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200225538 A1 20020328 (WO 0225538)

Application: WO 2001US28291 20010912 (PCT/WO US0128291)

Priority Application: US 2000233629 20000918

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8489

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... present invention, in a further embodiment of the present invention,  
the value discovery system includes **intelligent agents** for performing  
searches of non-participating **on - line** stores and formulate **bids** for  
consumer's lists from these stores. The **intelligent agents** use robots  
or "bots" to go out and gather information from other sites. If a  
non-participating vendor is **online** and can potentially service a  
consumer's list, the intelligent agents, through the bots, can...

7/3,K/11 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00880983 \*\*Image available\*\*

**OFFLINE-ONLINE INCENTIVE POINTS SYSTEM AND METHOD**

**SYSTEME DE POINTS BONUS FONCTIONNANT EN LIGNE ET HORS LIGNE ET PROCEDE  
CORRESPONDANT**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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PAL Anil, 1370 Yukon Terrace, Sunnyvale, CA 94087, US, US (Residence), GB  
(Nationality), (Designated only for: US)

ROMAN David, 1058 Ashbury Street, San Francisco, CA 94117, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

CHOU Chien-Wei (Chris) (et al) (agent), Oppenheimer Wolff & Donnelly LLP,  
1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200215081 A1 20020221 (WO 0215081)

Application: WO 2001US24932 20010808 (PCT/WO US0124932)

Priority Application: US 2000638457 20000814

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 39379

Main International Patent Class: G06F-017/60

International Patent Class: G06F-017/00

Fulltext Availability:

Detailed Description

Detailed Description

... Yahoo! Auction System allows any registered bidder to automate particular bidder-side aspects of the **bidding** process so that he does not have to manually participate in the **auction**. The **automation** involves an **agent** application process at the client computer. In another embodiment, the agent application resides in the **server** of the remote Yahoo! Auction System but associated with the user. The automation involves the...

7/3,K/12 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00865416 \*\*Image available\*\*

**METHOD AND SYSTEM FOR PROVIDING AN INTELLIGENT GOAL-ORIENTED USER INTERFACE TO DATA AND SERVICES**

**PROCEDE ET SYSTEME FOURNISSANT UNE INTERFACE UTILISATEUR INTELLIGENTE ORIENTEE OBJECTIF EN VUE D'OBTENIR DES DONNEES ET DES SERVICES**

Patent Applicant/Assignee:

APPLIED SYSTEMS INTELLIGENCE INC, 10882 Crabapple Road, Roswell, GA 30075  
, US, US (Residence), US (Nationality)

Inventor(s):

GEDDES Norman D, 5730 Devonshire Way, Cumming, GA 30040, US,

Legal Representative:

MARCOU George T (agent), Kilpatrick Stockton LLP, 607 Thirteenth Street,  
N.W., Suite 900, Washington, DC 20005, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200199010 A1 20011227 (WO 0199010)

Application: WO 2001US19714 20010621 (PCT/WO US0119714)

Priority Application: US 2000598240 20000621

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10732

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... comparison shopping. For example, mySimon™ provides a portal to search for products being sold by **on - line** merchants

2

WO 01/99010 PCT/US01/19714

and on on-line **auctions**. This system uses **intelligent agents** to collect information from over 2000 stores on the Internet and consolidate that information into a searchable **portal** that makes (inverted exclamation mark)t easy for customers, to find. the cheapest place to...

**7/3,K/13 (Item 10 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00857311 \*\*Image available\*\*

**METHOD FOR CONDITIONAL AUCTIONS**

**METHODE RELATIVE A DES ENCHERES CONDITIONNELLES**

Patent Applicant/Inventor:

WILLMAN Mattias, Gardesvagen 11, S-740 82 Orsundsbro, SE, SE (Residence), SE (Nationality)

YGGE Fredrik, Linnegatan 58, S-413 08 Goteborg, SE, SE (Residence), SE (Nationality)

ANDERSSON Arne, Rodhakevagen 3B, S-756 52 Uppsala, SE, SE (Residence), SE (Nationality)

Legal Representative:

AWAPATENT AB (agent), Box 1394, S-404 28 Goteborg, SE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200190985 A1 20011129 (WO 0190985)

Application: WO 2001SE1093 20010517 (PCT/WO SE0101093)

Priority Application: US 2000205403 20000519; US 2000648326 20000825

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8195

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... with said pre-selected set of offer and/or request alternatives.

39

. The computer **server** according to claim 14, wherein said computer software provides a **software agent** with a high-level language interface allowing a **bid** to be explicitly input in accordance with said pre-selected set of offer and/or...

7/3,K/14 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00855137 \*\*Image available\*\*

**METHOD AND SYSTEM FOR MARKET BASED RESOURCE ALLOCATION**  
**PROCEDE ET SYSTEME D'ALLOCATION DE RESSOURCES EN FONCTION DU MARCHE**

Patent Applicant/Assignee:

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NY 10001, US, US (Residence), US (Nationality)

Inventor(s):

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GIAMMARINO Giovanna, 123 Avenue A, New York, NY 10009, US,

Legal Representative:

MAJERUS Laura A (et al) (agent), Fenwick & West LLP, Two Palo Alto  
Square, Palo Alto, CA 94306, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200188811 A2 20011122 (WO 0188811)

Application: WO 2001US15424 20010512 (PCT/WO US0115424)

Priority Application: US 2000203849 20000512

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25744

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... claim. 9, wherein the valuation rule is determined in accordance with  
at least one measured **network** parameter. 1 1. The method of claim 6,  
wherein the **software agent bids** in accordance with an allocation  
rule.

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SUBSTITUTE SHEET (RULE 26)

. The method of claim...

7/3,K/15 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00836825

**SYSTEM AND METHOD FOR PROVIDING SERVICES USING A WEB HUB**

**SYSTEME ET PROCEDE POUR FOURNIR DES SERVICES AU MOYEN D'UN CONCENTRATEUR  
WEB**

Patent Applicant/Assignee:

EASTMAN CHEMICAL COMPANY, 100 N. Eastman Road, Post Office Box 511,  
Kingsport, TN 37662, US, US (Residence), US (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)  
LETTICH Anthony, 111 Keeland Drive, Johnson City, TN 37615, US, US  
(Residence), US (Nationality), (Designated only for: US)  
KLOPP Mark, 247 Morris Ranch Court, Danville, CA 94526, US, US  
(Residence), US (Nationality), (Designated only for: US)  
BLEDSOE Mark, 141A Blanton Drive, Weber City, VA 24290, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

CALKINS Charles (et al) (agent), Kilpatrick Stockton LLP, 1001 West  
Fourth Street, Winston-Salem, NC 27101, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169499 A2 20010920 (WO 0169499)  
Application: WO 2001US8004 20010313 (PCT/WO US0108004)  
Priority Application: US 2000189157 20000314

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6343

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... batch, the surplus is automatically made available for sale by  
auction. The attributes of the **auction** are as originally specified by  
the seller.

An embodiment of the invention includes an **intelligent agent** service,  
"My Purchasing Assistant," (purchase agent service) to further increase  
the efficiencies of the commerce transactions on the **web** site. The  
purchase agent service allows the user to enter a set of parameters  
regarding...

**7/3,K/16 (Item 13 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00836824

**SYSTEMS AND METHODS FOR PROVIDING PRODUCTS AND SERVICES TO AN INDUSTRY  
MARKET**

**SYSTEMES ET METHODES DE FOURNITURE DE SERVICES A UN SECTEUR D'ACTIVITE**

Patent Applicant/Assignee:

EASTMAN CHEMICAL COMPANY, 100 N. Eastman Road, P.O. Box 511, Kingsport,  
TN 37662, US, US (Residence), US (Nationality), (For all designated  
states except: US)

Patent Applicant/Inventor:

TAMBAY Roger, 348 de L'Obier, Rosemere, Quebec J7A-4H6, CA, CA  
(Residence), US (Nationality), (Designated only for: US)

LETTICH Anthony, 111 Keeland Drive, Johnson City, TN 37615, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

Bode Akintola 22-May-03

CALKINS Charles W (agent), Kilpatrick Stockton LLP, 1001 West Fourth  
Street, Winston-Salem, NC 27101 (et al), US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200169498 A2 20010920 (WO 0169498)  
Application: WO 2001US8003 20010313 (PCT/WO US0108003)  
Priority Application: US 2000189156 20000314  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 8106

Main International Patent Class: **G06F-017/60**  
Fulltext Availability:  
Detailed Description

Detailed Description  
... the surplus is automatically made available for sale by auction 530.

The attributes of the **auction** are as originally specified by the  
seller.

16

An embodiment of the invention includes an **intelligent agent** service,  
"My Purchasing Assistant," (purchase agent service) to further increase  
the efficiencies of the commerce transactions on the **web** site. The  
purchase agent service allows the user to enter a set of parameters  
regarding...

**7/3,K/17 (Item 14 from file: 349)**  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00819414 \*\*Image available\*\*

**METHOD FOR AN APPLICATION SERVER PROVIDER FRAMEWORK**  
**PROCEDE POUR UN CADRE DE FOURNISSEUR DE SERVICES APPLICATIFS**

Patent Applicant/Assignee:

ACCENTURE, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence),  
US (Nationality)

Inventor(s):

QUINONES David B, 12 Hillside Drive, Holliston, MA 01746, US,  
MULROE Martin J, 900 Raleigh Road, Glenview, IL 60025, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200152095 A2-A3 20010719 (WO 0152095)

Application: WO 2001US921 20010112 (PCT/WO US0100921)

Priority Application: US 2000483062 20000114; US 2000483486 20000114; US  
2000483593 20000114

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Bode Akintola 22-May-03



(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 56039

Main International Patent Class: **G06F-017/00**

Fulltext Availability:

Detailed Description

Detailed Description

... 24 x 7.

0 Catalog Sales Model - The catalog sales model migrates naturally to the **Internet** .

Shoppers can click on a product to see a larger picture and more detailed information.

An **intelligent agent** can suggest similar items or others matching the tastes of the individual. Special **offerings** and sales can be generated dynamically for each customer at the time of the visit...

**7/3,K/18 (Item 15 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00818625 \*\*Image available\*\*

**SECURE PRIVATE AGENT FOR ELECTRONIC TRANSACTIONS**

**AGENT PRIVE PROTEGE POUR TRANSACTIONS ELECTRONIQUES**

Patent Applicant/Assignee:

APLETTIX INC, 1209 Orange Street, Wilmington, DE 19801, US, US

(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SHWARTZ Gil, 43 Ha'biluim Street, 52297 Ramat Gan, IL, IL (Residence), IL (Nationality), (Designated only for: US)

GRANOV Shay, 16 Shoshan Zachor Street, 71700 Modi'in, IL, IL (Residence), IL (Nationality), (Designated only for: US)

NETEF Guy, 9 Elkabetz Street, 75774 Rishon le Zion, IL, IL (Residence), IL (Nationality), (Designated only for: US)

Legal Representative:

COLB Sanford T (et al) (agent), Sanford T. Colb & Co., P.O. Box 2273, 76122 Rehovot, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200152127 A1 20010719 (WO 0152127)

Application: WO 2001IL22 20010110 (PCT/WO IL0100022)

Priority Application: US 2000176390 20000113; US 2000737148 20001214

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14077

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... the cardholder's desktop monitors browser's activity to identify and act upon execution of **internet** payment transactions. The user's experience is identical to normal surfing, enhanced by additional agent services, which are **offered** to smooth the purchasing experience (e.g. form filling service).

Basically, the client mode **software agent** combine two SPA modules known as front end client (FEQ and back end gateway (BEG...

7/3,K/19 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTE, ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 156214

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... telephone line. New technology, however, has been improving the performance of these lines.

5 The **Internet** is composed of a great number of individual **networks**, together forming a global connection of thousands of computer systems. After understanding that machines are...

7/3,K/20 (Item 17 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00806384

**NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF**

**GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 171499

Main International Patent Class: G06F-017/60

7/3,K/21 (Item 18 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00806383

**COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF**

**PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill  
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)  
Priority Application: US 99444655 19991122; US 99444886 19991122  
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE  
DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG UZ VN YU ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 157840

Main International Patent Class: G06F-017/60

7/3,K/22 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00806382

**METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF  
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A  
MARKET SPACE INTERFACE**

**PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE  
PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION  
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 1400  
Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 170977

Main International Patent Class: G06F-017/60

7/3,K/23 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00801763 \*\*Image available\*\*

**APPARATUS FOR NEGOTIATION**  
**APPAREIL DE NEGOCIATION**

Patent Applicant/Assignee:  
BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, 81 Newgate Street,  
London EC1A 7AJ, GB, GB (Residence), GB (Nationality), (For all  
designated states except: US)  
Patent Applicant/Inventor:  
KEARNEY Paul Joseph, The Coach House, Northcliffe Court, Felixstowe,  
Suffolk IP11 7UA, GB, GB (Residence), GB (Nationality), (Designated  
only for: US)  
Legal Representative:  
DUTTON Erica Lindley (agent), BT Group Legal Services, Intellectual  
Property Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE  
, GB,

Patent and Priority Information (Country, Number, Date):  
Patent: WO 200135284 A1 20010517 (WO 0135284)  
Application: WO 2000GB4293 20001108 (PCT/WO GB0004293)  
Priority Application: EP 99308868 19991108  
Designated States: AU CA US  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 15896

Main International Patent Class: **G06F-017/60**  
Fulltext Availability:  
Detailed Description

Detailed Description  
... of a software agent and a mechanism the agent acts for, for  
installation using the **network** arrangement of Figure 1; Figure 3 shows  
a functional block diagram of an **auction** engine for use in a **software**  
**agent** as shown in Figure 2;  
Figure 4 shows communication flows between agents of an electronic...near  
that resource, for instance on a personal computer or local processing  
capacity, while a **software agent** which receives and brokers **bids**,  
in the nature of an **auctioneer**, is more likely to be sited on a **server**  
where it will be accessible to a large number of **bidding** agents.  
Referring to Figure 7, **software agents** managing transfer of goods  
between  
resources may be of different types. For instance, they may...

7/3,K/24 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00796241 \*\*Image available\*\*  
**AUCTION REDEMPTION SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE RACHAT D'ENCHERES**

Patent Applicant/Assignee:  
YAHOO! INC, 3400 Central Expressway, Santa Clara, CA 95051, US, US  
(Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:  
CHURCHILL Thomas, 136-B Churchill, Palo Alto, CA 94301, US, US  
(Residence), US (Nationality), (Designated only for: US)  
CONNELLY John Patrick, 156 Dufour Street, Santa Cruz, CA 95060, US, US  
(Residence), US (Nationality), (Designated only for: US)  
BOYD Eric, 3880 Rincon Avenue, Campbell, CA 95008, US, US (Residence), US

Bode Akintola 22-May-03

(Nationality), (Designated only for: US)  
PANCHAPAKESAN Venkat, 4581 Celia Court, Fremont, CA 94555, US, US  
(Residence), IN (Nationality), (Designated only for: US)  
GODIN Seth, 1 Bellair Drive, Hastings on Hudson, NY 10706, US, US  
(Residence), US (Nationality), (Designated only for: US)  
SOHN Henry Hyunsuk, 1550 Castilleja Avenue, Palo Alto, CA 94306, US, US  
(Residence), US (Nationality), (Designated only for: US)  
CONWAY David, 1610 Begun Avenue, Mountain View, CA 94040, US, US  
(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
CHOU Chien-Wei (Chris) (et al) (agent), Oppenheimer Wolff & Donnelly LLP,  
1400 Page Mill Road, Palo Alto, CA 94304, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200129750 A1 20010426 (WO 0129750)  
Application: WO 2000US28816 20001017 (PCT/WO US0028816)  
Priority Application: US 99422114 19991020  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 18566

Main International Patent Class: **G06F-155/00**  
Fulltext Availability:  
Detailed Description

Detailed Description

... Yahoo! Auction System allows any registered bidder to automate particular bidder-side aspects of the **bidding** process so that he does not have to manually participate in the **auction**. The **automation** involves an **agent** application process at the client computer. In another embodiment, the agent application resides in the **server** of the remote Yahoo! Auction System but associated with the user. The automation involves the...

**7/3,K/25 (Item 22 from file: 349)**  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00794306 \*\*Image available\*\*

**METHOD OF DELIVERING INFORMATION OVER A NETWORK**  
**PROCEDE DE REMISE D'INFORMATIONS SUR UN RESEAU**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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MUIR Andrew Revers, 481 Jerusalem Road, Cohasset, MA 02025, US,  
PICARD Eric Michael, 9 Everett Street, Newport, RI 02840, US,

Legal Representative:

DAMMAN Kirk (et al) (agent), Foley, Hoag & Eliot, LLP, One Post Office  
Square, Boston, MA 02109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200127800 A2 20010419 (WO 0127800)

Bode Akintola 22-May-03

Application: WO 2000US28409 20001013 (PCT/WO US0028409)  
Priority Application: US 99416778 19991013  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 17612

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Detailed Description

Detailed Description

... areas containing content provided by different advertisers.  
Alternately, the selection may be made dynamically by **software agents** representing the advertisers' preferences and valuations placed on users, which may **bid** on a user (3 1 0) identified as accessing the advertising **server** (3 22), and the preferred bid is automatically selected such that the winning advertiser is...

7/3,K/26 (Item 23 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00788756 \*\*Image available\*\*

**CONTENT DISTRIBUTION SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE DISTRIBUTION DE CONTENU**

Patent Applicant/Assignee:

QUANTUMSTREAM, 11320 Random Hills Road, Suite 150, Fairfax, VA 22030, US,  
US (Residence), US (Nationality)

Inventor(s):

AKADIRI Tayo, 12755 Fair Crest Court #301, Fairfax, VA 22033, US,  
BARRETT Robert, 8405 Lippizan Place, Gainesville, VA 20155, US,  
CARTER Matthew, 1020 N. Quincy St., Apt. 313, Arlington, VA 22201, US,  
JEPSON Brian, 70 Linden Drive, Kingston, RI 02881, US,  
SADASIV A Ramaseshan, 2106 18th Street, N.W. #1, Washington, DC 20009, US

Legal Representative:

GARRETT Arthur S (et al) (agent), Finnegan, Henderson, Farabow, Garrett &  
Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200122260 A2 20010329 (WO 0122260)

Application: WO 2000US25829 20000921 (PCT/WO US0025829)

Priority Application: US 99155015 19990921; US 2000532048 20000321; US  
2000597585 20000620; US 2000630720 20000802

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English  
Fulltext Word Count: 16780

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... audience, or when the vacancy will be displayed to a target audience, such as teenagers. **Software agents** may adjust their **bids** based on dynamic property values of current vacancies. For example, a **software agent** may contain a comprehensive policy profile, such as targeting  
2 1  
or excluding specific vacancy attributes, measuring complex **Web**-consumer demographics, or even bid for a vacancy when specific individuals are involved. One skilled...

**7/3,K/27 (Item 24 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00783300 \*\*Image available\*\*

**SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR ELECTRONIC MERCHANDISING IN AN E-COMMERCE APPLICATION FRAMEWORK**

**MARCHANDISAGE ELECTRONIQUE DANS LE CADRE D'UNE APPLICATION DE COMMERCE ELECTRONIQUE, SYSTEME ET ARTICLE MANUFACTURE A CET EFFET**

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
, US,

Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 38th  
Floor, 2029 century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116848 A2 20010308 (WO 0116848)

Application: WO 2000US24268 20000831 (PCT/WO US0024268)

Priority Application: US 99387189 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 44613

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... 24 x 7.

0 Catalog Sales Model - The catalog sales model migrates naturally to the



## Internet .

Shoppers can click on a product to see a larger picture and more detailed information.

57

An **intelligent agent** can suggest similar items or others matching the tastes of the individual. Special **offerings** and sales can be generated dynamically for each customer at the time of the visit...

7/3,K/28 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00783295 \*\*Image available\*\*

**SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR PROVIDING EXTERNAL AGENTS IN AN E-COMMERCE APPLICATION FRAMEWORK**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DE GESTION D'AGENTS EXTERNES DANS UN CADRICIEL D'APPLICATIONS DE COMMERCE ELECTRONIQUE**

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116843 A2 20010308 (WO 0116843)

Application: WO 2000US23894 20000831 (PCT/WO US0023894)

Priority Application: US 99388910 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 44357

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... business 24 x 7.

Catalog Sales Model - The catalog sales model migrates naturally to the **Internet** .

Shoppers can click on a product to see a larger picture and more detailed information.

An **intelligent agent** can suggest similar items or others matching the tastes of the 15 individual. Special **offerings** and sales can be generated dynamically for each customer at the time of the visit...

7/3,K/29 (Item 26 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00767657 \*\*Image available\*\*

**BROWSING METHOD FOR FOCUSING RESEARCH  
PROCEDE DE NAVIGATION DE MISE AU POINT DE RECHERCHE**

Patent Applicant/Assignee:  
MISSIONTREK LTD CO, 813 Palm Desert Drive, Garland, TX 75044, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:  
MOETTELI John B, 14 Ave. Ernest-Pictet, CH-1203 Geneva, CH, CH  
(Residence), US (Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200101275 A1 20010104 (WO 0101275)

Application: WO 2000US17409 20000624 (PCT/WO US0017409)

Priority Application: US 99141251 19990630; US 99147392 19990806; US  
99152871 19990908; US 99447293 19991123

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 22725

Main International Patent Class: G06F-017/00

International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... Texas Bar Journal, Vol 62, No. 7, 668 (July 1999)).

Intelliseek, Inc. of Cincinnati, Ohio, offers a method, known as  
"BULLSEYE" which uses automated agents to filter and find information  
which a user deems relevant to their search (see product information,  
available at <http://www.intelliseek.com>). Further, search results may  
optionally be saved under a particular file name for...

7/3,K/30 (Item 27 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00743954 \*\*Image available\*\*

**SYSTEM AND METHOD FOR PERFORMING A PROGRESSIVE SECOND PRICE AUCTION  
TECHNIQUE**

**SYSTEME ET PROCEDE PERMETTANT LA MISE EN OEUVRE DE TECHNIQUES DE VENTE AUX  
ENCHERES PROGRESSIVE BASEE SUR LA DEUXIEME OFFRE**

Patent Applicant/Assignee:

THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, Broadway and  
116th Street, New York, NY 10027, US, US (Residence), US (Nationality),  
(For all designated states except: US)

Patent Applicant/Inventor:

SEMRET Nemo, Apartment 5C, 45 Tiemann Place, New York, NY 10027, US, US  
(Residence), CA (Nationality), (Designated only for: US)  
LAZAR Aurel, 410 Riverside Drive, New York, NY 10027, US, US (Residence),  
US (Nationality), (Designated only for: US)  
Legal Representative:  
TANG Henry, Baker & Botts, LLP, 30 Rockefeller Plaza, New York, NY  
10112-0228, US  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200057323 A1 20000928 (WO 0057323)  
Application: WO 99US6384 19990323 (PCT/WO US9906384)  
Designated States: CA JP US  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 10989

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... of \$4 per unit for three units of bandwidth into a computer and  
transmit the **bid** to the computer operating the technique over a  
**network**. A **software agent** can be programmed to 1 5 automatically  
**bid** according to the user's needs and the market as represented by the  
other users...

**7/3,K/31 (Item 28 from file: 349)**

DIALOG(R) File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00737987 \*\*Image available\*\*

**GLOBALLY TIME-SYNCHRONIZED SYSTEMS, DEVICES AND METHODS**

**SYSTEMES GLOBALEMENT SYNCHRONISES DANS LE TEMPS**

Patent Applicant/Assignee:

REVEO INC, 85 Executive Boulevard, Elmsford, NY 10523, US, US (Residence)  
, US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

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(Residence), US (Nationality), (Designated only for: US)

FLANNERY James P, 30 Williams Street, New City, NY 10965, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

PERKOWSKI Thomas J (agent), Soundview Plaza, 1266 East Main Street,  
Stamford, CT 06902, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200050974 A2-A3 20000831 (WO 0050974)

Application: WO 2000US5093 20000228 (PCT/WO US0005093)

Priority Application: US 99258573 19990226; US 2000513601 20000225

Parent Application/Grant:

Related by Continuation to: US Not furnished (CIP)

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 80968

Main International Patent Class: **G06F-017/60**  
Fulltext Availability:  
Claims

Claim

... like.

Page 209 of 238

multiple items in a multi-item combinatorial auction.

244. The **Internet** -based method of claim 231, wherein one or more of said

client machines competing in said **bidding** process include **intelligent software** enabling each said client machine to programmably engage in said **bidding** process with a reduced level of human participation.

245. An **Internet** -based system r enabling a plurality of bidders to compete fairly in a bidding...245, wherein said item comprises multiple items in a multi-item combinatorial auction.

259. The **Internet** -based system of claim 245, wherein one or more of said

client machines competing in said **bidding** process include **intelligent software** enabling each said client machine to programmably engage in said **bidding** process with a reduced level of human participation.

260. An **Internet** -based method for enabling a plurality of traders to compete fairly in a trading process...

**7/3,K/32 (Item 29 from file: 349)**

DIALOG(R) File 349:PCT FULLTEXT

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00733700 \*\*Image available\*\*

**E-COMMERCE DEMAND AGGREGATION**

**REGROUPEMENT DES DEMANDES DE COMMERCE ELECTRONIQUE**

Patent Applicant/Assignee:

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DEALTIME COM LTD, 475 Fifth Avenue, New York, NY 10017, US, US (Residence), US (Nationality)

Inventor(s):

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ASHKENAZI Amir, 1 Kinds Park, Rye Brook, NY 10573, US

Legal Representative:

JOHNSON John M, Kaye, Scholer, Fierman, Hays & Handler, LLP, 425 Park Avenue, New York, NY 10022-3598, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200046687 A1 20000810 (WO 0046687)

Application: WO 2000US2830 20000203 (PCT/WO US0002830)

Priority Application: US 99118684 19990205; US 99390015 19990903

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English  
Fulltext Word Count: 17470

Main International Patent Class: G06F-015/300  
International Patent Class: G06F-007/00 ...

... G06F-015/20 ...

... G06F-017/60

Fulltext Availability:  
Detailed Description

Detailed Description

... shopping value.

DealTime.com adds personalization as well as timeliness to electronic commerce.

DealTime.com **automated** shopping **agents** consolidate **offerings** from a multitude of **online** stores, **auction** sites and classified ads in a continually updated database. A second

14

SUBSTITUTE SHEET (RULE...

7/3,K/33 (Item 30 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00733699 \*\*Image available\*\*

#### E-COMMERCE NOTIFICATION

#### NOTIFICATION DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

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42504, IL, IL (Residence), IL (Nationality)  
DEALTIME COM LTD, 475 Fifth Avenue, New York, NY 10017, US, US  
(Residence), -- (Nationality)

Inventor(s):

SHARFMAN Nahum, 22 Hameyasdim Street, 37064 Karkur, IL,  
ASHKENAZI Amir, 1 Kinds Park, Rye Brook, NY 10573, US,

Legal Representative:

JOHNSON John M (agent), Kaye, Scholer, Fierman, Hays & Handler, LLP, 425  
Park Avenue, New York, NY 10022-3598, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200046686 A1 20000810 (WO 0046686)

Application: WO 2000US2829 20000203 (PCT/WO US0002829)

Priority Application: US 99118684 19990205; US 99389969 19990903

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13523

Main International Patent Class: G06F-017/60

International Patent Class: G06F-015/300 ...

... G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... shopping value.

DealTime.com adds personalization as well as timeliness to electronic commerce.

DealTime.com **automated** shopping **agents** consolidate **offerings** from a multitude of **online** stores, **auction** sites and classified ads in a continually updated database. A second I 0database contains user...

7/3,K/34 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00569851 \*\*Image available\*\*

**SMART AGENT BASED ON HABIT, STATISTICAL INFERENCE AND PSYCHO-DEMOGRAPHIC PROFILING**

**AGENT INTELLIGENT A BASE D'HABITUDES, D'INFERENCES STATISTIQUES ET DE PROFILS PSYCHO-DEMOGRAPHIQUES**

Patent Applicant/Assignee:

INDEX SYSTEMS INC,

YUEN Henry C,

Inventor(s):

YUEN Henry C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200033224 A1 20000608 (WO 0033224)

Application: WO 99US28335 19991130 (PCT/WO US9928335)

Priority Application: US 98110301 19981130

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM

AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL

PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 12858

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... access the Net's resources. Simply put, agents are programs that perform users' searches and **bidding automatically**. **Agents** can find the latest news and download it to the user computer; they can automatically monitor **Internet** traffic and report on its total usage; they can find the best deal on the...

5/22/03  
Dialog

Set	Items	Description
S1	65559	(INTELLIGENT? OR 'SOFTWARE? OR AUTOMAT?) (2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	202	S1(15N) (AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCH- AUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION)
S3	110	S2(10N) (ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?)
S4	88	S3 NOT PY>2000
S5	42	RD (unique items)

? show file

File 9:Business & Industry(R) Jul/1994-2003/May 21  
(c) 2003 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2003/May 22  
(c) 2003 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2003/May 21  
(c) 2003 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2003/May 21  
(c)2003 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2003/May 21  
(c) 2003 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/May 21  
(c) 2003 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2003/May 21  
(c) 2003 The Gale Group  
File 20:Dialog Global Reporter 1997-2003/May 22  
(c) 2003 The Dialog Corp.  
File 476:Financial Times Fulltext 1982-2003/May 22  
(c) 2003 Financial Times Ltd  
File 610:Business Wire 1999-2003/May 22  
(c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/May 22  
(c) 2003 PR Newswire Association Inc  
File 624:McGraw-Hill Publications 1985-2003/May 21  
(c) 2003 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2003/May 21  
(c) 2003 San Jose Mercury News  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 47:Gale Group Magazine DB(TM) 1959-2003/May 20  
(c) 2003 The Gale group  
File 635:Business Dateline(R) 1985-2003/May 22  
(c) 2003 ProQuest Info&Learning  
File 570:Gale Group MARS(R) 1984-2003/May 21  
(c) 2003 The Gale Group

all considered

5/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

2457110 Supplier Number: 02457110 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Bazaar Advantages -- Electronic Marketplaces Offer Unique Benefits To  
Buyers And Sellers, And Could Transform Business-To-Business Commerce**  
(Currently, there are around 1,000 online marketplaces, but the number is  
anticipated to rise to 10,000 by end-1999; online marketplaces provide  
advantages to IT departments and managers at firms that sell online)  
Information Week, p 42  
May 10, 1999  
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 2583

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
...Rodin says his company may sell through several marketplaces, but he's  
already looking beyond **auctions** and the ability to compare products and  
prices. Before long, **software agents** will comb the **Web** for product  
and price information, so the sites that will succeed will be those that...

5/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

2419999 Supplier Number: 02419999 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Auction service gets shopping assistant**  
(Interactive Collector linked with Muscat to include an intelligent  
agent technology to its online auction service)  
New Media Age, p 7  
March 11, 1999  
DOCUMENT TYPE: Journal ISSN: 1364-7776 (United Kingdom)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 202

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
(Interactive Collector linked with Muscat to include an intelligent  
agent technology to its online auction service)

TEXT:  
As part of its revamp, Interactive Collector has teamed up with Muscat to  
incorporate an **intelligent agent** technology to its **online auction**  
service.

Based on Muscat's 'empower' product, it enables users to create  
personalised agents that...

5/3,K/3 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02069835 60926523  
**Disintermediating The Dot-Coms**  
Auditore, Stephen  
Forbes PP: P096-98 Sep 11, 2000



ISSN: 0015-6914 JRNL CODE: FBR  
WORD COUNT: 906

...TEXT: dot-coms and portals.

Witness the recent legal actions by Ebay to shut down an **automated agent** that scoured all **Internet**-based **auctions**. Ebay was right to be alarmed. The agent doesn't care which site contains the...

**5/3,K/4 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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01876349 05-27341  
**The knowledge lab**  
Carter, Meg  
Technology Review v102n5 PP: 84-89 Sep/Oct 1999  
ISSN: 1099-274X JRNL CODE: TCR  
WORD COUNT: 2197

...TEXT: or a bargain, Knowledge Lab staff are developing a system that sends a squad of **intelligent agents** onto the **Internet** to hold and participate in **online auctions**, roaming through sites to meet the user's criteria for buying and selling and developing...

**5/3,K/5 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01846899 04-97890  
**Bazaar advantages**  
Dalton, Gregory  
Informationweek n733 PP: 42-48 May 10, 1999  
ISSN: 8750-6874 JRNL CODE: IWK  
WORD COUNT: 2649

...TEXT: Rodin says his company may sell through several marketplaces, but he's already looking beyond **auctions** and the ability to compare products and prices. Before long, **software agents** will comb the **Web** for product and price information, so the sites that will succeed will be those that...

**5/3,K/6 (Item 4 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01818219 04-69210  
**The case against making money the old-fashioned way**  
Brodsky, Ira  
Network World v16n18 PP: 47 May 3, 1999  
ISSN: 0887-7661 JRNL CODE: NWW  
WORD COUNT: 489

ABSTRACT: A commentary states that according to venture capitalist Michael Hentschel of Techvest International, **intelligent price agents** will gradually turn the entire **Internet** into a real-time **auction**. Even clothing retailers and fast-food restaurants must migrate

information-intensive pieces of their operations...  
...TEXT: few people realize the full implications.

According to venture capitalist Michael Hentschel of Techvest International ([www.techvest.com](http://www.techvest.com)), **intelligent price agents** will gradually turn the entire **Internet** into a real-time **auction**. What does this mean? "The inexorable drive toward cost and below-cost pricing will force..."

5/3,K/7 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01789007 04-39998

**Start-ups eye commerce, marketing at Silicon Alley show**

Radosevich, Lynda

InfoWorld v21n8 PP: 23 Feb 22, 1999

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 496

...TEXT: experts say the hot Internet start-up markets in 1999 are focusing on electronic commerce, **online auctions**, content, personalization, **intelligent agents**, **portals**, and community building.

"The underlying challenge for consumer **Web** companies is how you get a solid brand built in a very overheated market," said...

5/3,K/8 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01504246 01-55234

**Bidder harvest**

Hapgood, Fred

Inc. v19n13 (Inc. Technology Supplement) PP: 58-62 Sep 16, 1997

ISSN: 0162-8968 JRNL CODE: INO

WORD COUNT: 1893

...TEXT: bids from sellers-are rare outside the realm of corporate procurement.

Today, buyers can use "**software agents**" such as BidFind ([www.bidfind.com](http://www.bidfind.com)), which compiles a list of all subscribing **auction** sites selling a given item, such as a cordless phone. But there are no cross...

5/3,K/9 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

08300020 Supplier Number: 67372911 (USE FORMAT 7 FOR FULLTEXT)

**Intelligent shopping.(electronic commerce services)**

Computer Business Review, v7, n4, p36

April, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1747

... far exceeding earlier estimates of between \$6 billion and \$8

billion.

These figures have turned **software agents**, search and comparison robots (often called shopping 'bots') and automated **auction** technologies, into the hottest topics in the **Internet** firmament. Many **portal** owners and ecommerce merchants say shopping agents will play a major part in both encouraging...

**5/3,K/10 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

08268200 Supplier Number: 68643512 (USE FORMAT 7 FOR FULLTEXT)  
**Never mind the quality, feel the price.(Industry Trend or Event)**  
Bradbury, Danny  
Computer Weekly, p48  
Dec 14, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 523

... main area of activity for pricing agents in the past few years has been on **auction** sites, where **automated** bidding **agents** sitting on the **server** will act as your proxy during an auction, bidding up to a certain level.

Ian Charlesworth, Butler Group's senior research analyst, believes

...

**5/3,K/11 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07258615 Supplier Number: 61639137 (USE FORMAT 7 FOR FULLTEXT)  
**Working the Web Bazaar.(Industry Trend or Event)**  
Furger, Roberta  
PC World, v18, n5, p35  
May, 2000  
Language: English Record Type: Fulltext Abstract  
Document Type: Magazine/Journal; General Trade  
Word Count: 4791

... hotels, and the like) will take them up on their offer. In another category, reverse- **auction** sites, like NexTag.com and BuyersEdge.com, combine features similar to those of shopping bots (**software agents** that prowl the **Web** in search of big bargains) with the price-matching service of the name-your-price...

**5/3,K/12 (Item 4 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07072537 Supplier Number: 59610795 (USE FORMAT 7 FOR FULLTEXT)  
**Interactive Cybberauctions Move into Living Rooms via Satellite TV; Casbah Corporation And GAVELNET.COM Join Forces to Deliver New Auction Capability.**  
Business Wire, p0163  
Feb 23, 2000  
Language: English Record Type: Fulltext

Document Type: Newswire; Trade  
Word Count: 600

... bids during live auctions as though they were on the trading floor. GAVELNET.COM's **Internet** bidders can also deploy Casbah's **intelligent software agents** to engage in proxy bidding, enabling them to participate in the **auctions** even while they are away from their computers. The new offering is expected to be...

**5/3,K/13 (Item 5 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06854188 Supplier Number: 58071717 (USE FORMAT 7 FOR FULLTEXT)  
**eBay and iTrack Sign License Agreement; Multi-site, email-based auction tracker latest sanction by online trading community.**  
Business Wire, p0021  
Dec 8, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 639

... first service to help alleviate the growing complexity of finding what users seek in the **online auction** world. iTrack's Tommy Tracker(SM) **intelligent agent** helps **online auction** users tailor their searches across multiple **auction** sites. iTrack holds the TRUSTe privacy certification guaranteeing the confidentiality of both personal and search ...

**5/3,K/14 (Item 6 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06780678 Supplier Number: 57160346 (USE FORMAT 7 FOR FULLTEXT)  
**Technology Deals.(online sites for buying computer hardware and software) (Internet/Web/Online Service Information) (Directory)**  
Jerome, Marty  
PC/Computing, p216  
Dec, 1999  
Language: English Record Type: Fulltext Abstract  
Article Type: Directory  
Document Type: Magazine/Journal; General Trade  
Word Count: 1279

... scouring the Web for the perfect PC, peripheral, or other gadget. One of the best **automatic shopping agents** is Deal Time.com ( **www** .dealtime.com), which hunts through **auction** sites and retail centers and notifies you of bargains via e-mail. Productopia (www.productopia...

**5/3,K/15 (Item 7 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06515694 Supplier Number: 55264680 (USE FORMAT 7 FOR FULLTEXT)  
**iTrack Adds ZDNet Auctions, boxLot Online Auctions and Haggle Online To Popular Tracking Service.**  
PR Newswire, p9276

July 27, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 343

... first service to help alleviate the growing complexity of finding what users seek in the **online auction** world. iTrack's Tommy Tracker(SM) **intelligent agent** helps **online auction** users tailor their searches across multiple **auction** sites. iTrack holds the TRUSTe privacy certification guaranteeing the confidentiality of both personal and search'...

5/3,K/16 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06388687 Supplier Number: 54801370 (USE FORMAT 7 FOR FULLTEXT)  
**Under the Hammer; While analysts foam at the mouth over the potential for online auctions, Robert Venes looks at whoOs in the bidding on the Web.**  
Hammer, Robert Venes Under The  
New Media Age, p12(2)  
May 6, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2594

... part of its revamp in February, Interactive Collector teamed up with Muscat to incorporate an **intelligent agent** technology to its **online auction** service. Based on Muscat's 'empower' product, it enables users to create personalised agents that...

5/3,K/17 (Item 9 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06320954 Supplier Number: 54570095 (USE FORMAT 7 FOR FULLTEXT)  
**The case against making money the old-fashioned way. (Industry Trend or Event) (Column)**  
Brodsky, Totally Unplugged . Ira  
Network World, p47(1)  
May 3, 1999  
Language: English Record Type: Fulltext  
Article Type: Column  
Document Type: Magazine/Journal; Trade  
Word Count: 498

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...few people realize the full implications. According to venture capitalist Michael Hentschel of Techvest International ( [www . techvest.com](http://www.techvest.com)), **intelligent price agents** will gradually turn the entire **Internet** into a real-time **auction** . What does this mean? "The inexorable drive toward cost and below-cost pricing will force...

5/3,K/18 (Item 10 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

06284374 Supplier Number: 54431757 (USE FORMAT 7 FOR FULLTEXT)  
**New Datacomm Research Company Study: E-Commerce Competition Forces  
Businesses To Invent New Money-Making Strategies.**  
PR Newswire, p9673  
April 21, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 794

... alliances will enable member sites to gain proximity to favorite destinations and share traffic flow. **Auction** sites will evolve further, as **intelligent agents** turn the entire **Internet** into a real-time **auction**.

4. Mergers of big **portals**, ISPs, and telecomm access providers will abound. Big portals will emulate AOL's subscription model...

**5/3,K/19 (Item 11 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

05917855 Supplier Number: 53149137 (USE FORMAT 7 FOR FULLTEXT)  
**BID.COM 1998 Third-Quarter Revenue Increases 12.5 Percent From Second  
Quarter.**  
Business Wire, p0305  
Oct 30, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1697

... is an effective tool that eliminates the need for customers to be physically present at **auctions**," said Jeff Lymburner, President, Bid.Com International. "The ability to place absentee bids through an **intelligent agent**, requiring only a single mouse click to implement, greatly increases the accessibility of our **online auctions** to the marketplace. Bid Buddy is technologically superior to existing agents offered within the online...

**5/3,K/20 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

12740566 SUPPLIER NUMBER: 66457478 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**CONTRACTOR TECHNOLOGY NEWS. (includes multiple articles) (Product  
Announcement)**  
Contractor, 47, 10, 50  
Oct, 2000  
DOCUMENT TYPE: Product Announcement ISSN: 0897-7135 LANGUAGE:  
English RECORD TYPE: Fulltext  
WORD COUNT: 1501 LINE COUNT: 00136

... B2B products  
TARRYTOWN, N.Y. -- Vinimaya launched a business-to-business comparison shopping service at [www.ViniShopper.com](http://www.ViniShopper.com). The site utilizes **intelligent agent** technologies to search B2B e-marketplaces, exchanges, suppliers, trading communities, **auctions** and vendor sites simultaneously to provide real-time comparison shopping by best price, preferred vendor...

5/3,K/21 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11188010 SUPPLIER NUMBER: 55083496 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Power to the people. (Consumer Proximity Curve as tool for understanding international food markets)**  
Vickers, Alan  
Dairy Industries International, 64, 5, 18(2)  
May, 1999  
ISSN: 0308-8197 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1687 LINE COUNT: 00134

... and these must be quite worrying for any retailer. They are the so-called 'roboshoppers' ( **intelligent shopping agents** ) and electronic auctions .

**Intelligent shopping agents** are pieces of software which automatically and rapidly comb the **Internet** on behalf of the consumer to discover which on-line retailer is prepared to supply...

5/3,K/22 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11030992 SUPPLIER NUMBER: 54604243 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bazaar Advantages -- Electronic Marketplaces Offer Unique Benefits To Buyers And Sellers, And Could Transform Business-To-Business Commerce. (News Briefs) (Editorial)**  
Dalton, Gregory  
InformationWeek, 42(1)  
May 10, 1999  
DOCUMENT TYPE: Editorial ISSN: 8750-6874 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 2782 LINE COUNT: 00235

... Rodin says his company may sell through several marketplaces, but he's already looking beyond **auctions** and the ability to compare products and prices. Before long, **software agents** will comb the **Web** for product and price information, so the sites that will succeed will be those that...

5/3,K/23 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11030137 SUPPLIER NUMBER: 54521542 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**E-COMMERCE COMPETITION FORCES BUSINESSES TO INVENT NEW MONEY-MAKING STRATEGIES.**  
Software Industry Report, 2(1)  
May 3, 1999  
ISSN: 1042-7252 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 511 LINE COUNT: 00047

... alliances will enable member sites to gain proximity to favorite destinations and share traffic flow. **Auction** sites will evolve further, as **intelligent agents** turn the entire **Internet** into a real-time auction .

Mergers of big **portals** , ISPs, and telecomm access providers will abound. Big portals will emulate AOL's subscription model...

5/3,K/24 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

10643736 SUPPLIER NUMBER: 20926913 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Buy, Bid or Bargain? Excite Offers Integrated Internet Shopping Search to  
Give Users Powerful Web Shopping Opportunities**  
PR Newswire, p721SFTU072  
July 21, 1998  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 656 LINE COUNT: 00060

... Calif., July 21 /PRNewswire/ -- Attention all Shoppers -- Excite Product Finder powered by Jango, Excite's **intelligent** shopping **agent** , has integrated **auctions** and classifieds listings to its **online** shopping search, Excite, Inc. (Nasdaq: XCIT) announced today. The integration gives consumers searching for a...

5/3,K/25 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02247751 SUPPLIER NUMBER: 21253227 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**It's a deal. (bargain shopping for the home office) (Industry Trend or  
Event)**  
Georgia, Bonny  
Home Office Computing, v16, n11, p58(5)  
Nov, 1998  
ISSN: 0899-7373 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2461 LINE COUNT: 00196

... agents anti Web sites and services that take the work out of finding hardware and **software** bargains.

#### SHOPPING AGENTS

BidFind ( [www .bidfind.com](http://www.bidfind.com)): Got **auction** fever? BidFind searches 80 popular **auction** sites to tell you which ones have the product you want and at what price...

5/3,K/26 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04109194 Supplier Number: 54014134 (USE FORMAT 7 FOR FULLTEXT)  
**MUSCAT: Muscat and Interactive Collector introduce 'personal shoppers' to  
online auctions.**  
M2 Presswire, pNA  
March 4, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 631

RDATE:030399

-- Art, antiques and collectibles **website** uses Muscat **Intelligent  
Agent** technology to alert collectors to new **online** lots



Muscat announced today that Interactive Collector is the first **online auction** site to incorporate **Intelligent Agent** (IA) technology.

At the first public showing of the enhanced **www.icollector.com** website, Muscat demonstrated how the IC Agent service, based on the Muscat empower...

**5/3,K/27 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

03927577 Supplier Number: 50176810 (USE FORMAT 7 FOR FULLTEXT)  
**EXCITE: Buy, bid or bargain? -- Excite offers first complete Internet shopping search**  
M2 Presswire, pN/A  
July 22, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 663

... agent, excite product finder

Attention all Shoppers--Excite Product Finder powered by Jango, Excite's **intelligent shopping agent**, has integrated **auctions** and classifieds listings to its **online shopping search**, Excite, Inc. (NASDAQ:XCIT) announced today. The integration gives consumers searching for a...

**5/3,K/28 (Item 1 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

11465346  
**PR Newswire California Summary, Monday, June 12, 2000 up to -2-**  
PR NEWSWIRE  
June 12, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1289

... Procter & Gamble And Institutional Investors SFM116 06/12/2000  
09:05 r f bc-CA- **Auctioneer** -product (SAN FRANCISCO) Actioneer Launches **Intelligent Agent Infrastructure for Quick Web**

**5/3,K/29 (Item 2 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

08679392 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**iTrack Adds Auction News to Popular Tracking Service**  
BUSINESS WIRE  
December 13, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 512

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and online coaching, helping alleviate the complexity and time required for users to find the **auction** items they seek **online**. In addition to the news link, iTrack offers an **intelligent agent** -- Tommy

Tracker(SM) -- to help users configure their searches to meet the specifications of the...

... first service to help alleviate the growing complexity of finding what users seek in the **online auction** world. iTrack's Tommy Tracker(SM) **intelligent agent** helps **online auction** users tailor their searches across multiple **auction** sites. iTrack holds the TRUSTe privacy certification guaranteeing the confidentiality of both personal and search ...

5/3,K/30 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

08459554 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**iTrack Adds Egghead, Microsoft Auctions and Upstate to Popular Online Auction Tracking Service**  
BUSINESS WIRE  
November 30, 1999  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 447

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... first service to help alleviate the growing complexity of finding what users seek in the **online auction** world. iTrack's Tommy Tracker(SM) **intelligent agent** helps **online auction** users tailor their searches across multiple **auction** sites. iTrack holds the TRUSTe privacy certification guaranteeing the confidentiality of both personal and search ...

5/3,K/31 (Item 4 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

06478584 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**THIS WEEK: Marketing: 'Marketers must become more world-class in their marketing decision-making practices'**  
BUSINESSWORLD (PHILIPPINES), p36  
August 02, 1999  
JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1164

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is identical and the firm appears reputable. Businesses will increasingly do their purchasing over the **internet** using **intelligent search agents**. We will also see more goods bought and sold on an **auction** basis.

Q: What strategies can companies employ in order to adapt to the globalization and...

5/3,K/32 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

06040900 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Casbah Corporation Hosts a Successful Live Internet Auction**

PR NEWSWIRE

July 02, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 412

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... were sold to online bidders and that the single most expensive item went to an **online** bidder for \$31,500.

Casbah's **auction** software, called **I- Auction** , is based on an **intelligent** multi- **agent** engine with built-in push-pull technology for efficient realtime communication. It can run totally...

**5/3,K/33 (Item 6 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

05955714 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**iTrack's Tommy Tracker Helps Subscribers Tailor Searches Across Multiple Auction Sites**

PR NEWSWIRE

June 29, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 371

... June 29 /PRNewswire/ -- iTrack(TM) today introduced Tommy Tracker(SM), the first service to help **online auction** users tailor their searches across multiple **auction** sites. The Tommy Tracker **intelligent** agent scans user's searches, analyzes the search patterns and sends them email tips to help...

**5/3,K/34 (Item 7 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

05943247

**AN UNLIKELY CORNER OF SPACE THREATENS BIG BANKS E-COMMERCE**

SECTION TITLE: Information Technology

Duncan McLeod

FINANCIAL MAIL, p82

June 11, 1999

JOURNAL CODE: WFML LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 485

... as Internet access continues to penetrate the economy." The firm predicts the rapid rise of **software**-based shopping **agents** , **online auctions** and digital cash. Shopping agents, for example, will automatically seek out product specifications, and trawl...

**5/3,K/35 (Item 8 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2003 The Dialog Corp. All rts. reserv.

05326669 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Patents essential element in marketing**

SECTION TITLE: NEWS

2

CHRISTIE Andrew  
INFOTECH WEEKLY, p31

May 10, 1999

JOURNAL CODE: WIWY LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 730

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... coverage and none of the possibilities should be underestimated.  
Recently patented in relation to the **Internet** are aspects of the way  
**online auctions** operate, frequent-buyer programs, ordering by way of  
credit cards, ordering using offline **agents**, and the **automatic**  
downloading of information to customers.

Hundreds of other detailed aspects relating to Internet software have

...

5/3,K/36 (Item 9 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04385471 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Software for internet attracts flurry of international patents**

SECTION TITLE: Features

Andrew Christie

NATIONAL BUSINESS REVIEW

February 18, 1999

JOURNAL CODE: WNBR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 444

... now controlled by exclusive intellectual property rights held by  
the patent owners, are aspects of **online car auctions**, frequent-buyer  
programmes, orders using credit cards, ordering using offline **agents** and  
**automatic** downloading of information to customers.

5/3,K/37 (Item 10 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

03772952 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**CommerceNet Awards ECommerce Innovation; AvantGo, Brokat, DealTime, eBay,  
and General Magic Receive Awards**

PR NEWSWIRE

December 16, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 445

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... enterprise applications to handheld devices. Brokat International  
is a leading supplier of secure solutions for **Internet** banking,  
brokerage, and payment. DealTime combines **auction** technology with  
**intelligent agents** and personalized communication. EBay has created a  
new paradigm for shopping on the Internet. General...

5/3,K/38 (Item 1 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2003 Financial Times Ltd. All rts. reserv.

0009517811 BOICSAOACXFT

**US AND CANADA: Internet may spawn auction price system: IBM institute may offer customers more flexibility to set the terms, or offer a price**

JOHN LABATE

Financial Times, International Edition 1 ED, P 7

Thursday, March 19, 1998

DOCUMENT TYPE: Stories; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

Word Count: 529

...s preferences and bid for the best price and terms of delivery. The IAC's **cyber auction** software is such a **software agent** which could take the place of more costly purchasing managers or lawyers.

Another prototype under...

**5/3,K/39 (Item 1 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2003 PR Newswire Association Inc. All rts. reserv.

00352002 20000612HSNATL1B (USE FORMAT 7 FOR FULLTEXT)

**PR Newswire National Summary (Part 2), Mon., June 12, 2000 8 to 10 A.M. ET**

PR Newswire

Monday, June 12, 2000 10:41 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 6,862

...Procter & Gamble And Institutional Investors

SFM116 06/12/2000 09:05 r f bc-CA- **Auctioneer** -product  
(SAN FRANCISCO) Actioneer Launches **Intelligent Agent**  
Infrastructure for Quick **Web Access**

LAM065 06/12/2000 09:06 r f bc-CO-TimeWarner-Telecom  
(LITTLETON) Time...

**5/3,K/40 (Item 1 from file: 810)**

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0737309 BW1182

**PIPER JAFFRAY: Online Trading Industry Poised to Generate \$2.2 Billion in Commissions in 2001**

August 20, 1997

Byline: Business Editors

...Merrill Lynch

and Paine Webber, which risk alienating their existing brokers if they move into **online trading**.

--In the future **Intelligent Agents** may ultimately allow consumers to **auction** off their **on - line** trades to the broker with the lower commission rates.

"The online trading market is one...

5/3,K/41 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05818583 SUPPLIER NUMBER: 62702874 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The Consumers' Observation Post.**  
Consumers' Research Magazine, 83, 3, 7  
March, 2000  
ISSN: 0095-2222 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1786 LINE COUNT: 00147

... via PalmPilot or even their cell phones, while shopping in traditional brick-and-mortar stores. **On - line shopping software agents** are available from <http://ichoose.com>, [www .liason.com](http://www.liason.com), [www .clickthebutton.com](http://www.clickthebutton.com), [www . auctionwatch .com](http://www.auctionwatch.com), and <http://iqorder.com/SplashSite/index.htm>. (See "'Bots'--Higher Intelligence?" on page 32...

5/3,K/42 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05204705 SUPPLIER NUMBER: 21016822 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**SHOPPING AT WARP SPEED: The Internet is a boon for bargain-hunters-but will it ever become a major source of retail profits?(Brief Article)**  
Laver, Ross  
Maclean's, v111, n16, p43(1)  
August 17, 1998  
DOCUMENT TYPE: Brief Article ISSN: 0024-9262 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 756 LINE COUNT: 00061

... than using a high-priced broker to trade shares, retail investors could instruct their personal **software agents** to go out into the market and find the best deal.

**Online auctions** are another way the **Internet** gives buyers more bargaining power. Already, companies such as General Electric save millions of dollars...

5/22/03

Di'log

Set	Items	Description
S1	2339	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCHAUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION
S2	130059	BID OR BIDS OR BIDDING OR OFFER?
S3	1255422	AGENT? OR REPRESENT? OR BEHALF OR BIDDER? ? OR SELLER?
S4	1196014	SELECT OR GROUP? OR CLASSIF? OR CHOOS?
S5	2508549	INFO OR INFORMATION OR DATA? ?
S6	518766	ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR HOME- PAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?
S7	435	S3(2N)SOFTWARE?
S8	1	S7 AND S1 AND S6
S9	230	S7 AND S6
S10	10	S9 AND S2
S11	1140	(INTELLIGENT? OR SOFTWARE OR AUTOMAT?) (2N)AGENT? OR INTELL- IGENT(2N)SOFTWARE?
S12	27	S11 AND (S1 OR S2) AND S6
S13	56	S11 AND S6 AND (TRANSACT? OR TRADE? ? OR TRADING OR EXCHAN- GE? OR PURCAHS? OR BUYING OR SELLING)
S14	65	(S12 OR S13) AND IC=(G06F? OR H04L?)

? show files

File 344:Chinese Patents Abs Aug 1985-2003/Feb  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200332  
(c) 2003 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

all considered

14/5/1 (Item 1 from file: 344)  
DIALOG(R)File 344:Chinese Patents Abs  
(c) 2003 European Patent Office. All rts. reserv.

4342212

**AUTOMATIC ACTING SALE METHOD AND SERVER SYSTEM THEREOF**

Patent Assignee: YURUN BUSINESS SCIENCE AND TEC (CN)

Author (Inventor): RENCHEN XU (CN); JUNQIN WANG (CN)

Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1372213	A	20021002 (Basic)

Application Data:

CC Number	Kind	Date
*CN 2001104230	A	20010226

Abstract: This invention provides an automatic agent selling method and its server system at least containing an information library storing at least one product information and a treatment device coupling with the information base to deal with the following items (1) receiving an information of the first order of purchasing a product in the base by the first consumer via internet 2). generating the first dealing-in distinguishing information of the qualification of selling on commission owned by the first consumer according to first order information 3). coding the first selling on commission distinguishing informatino and the product code from the base to the first electronic file to transfer to the first cnosumer to be released by the electronic file to get the goods.

IPC: G06F-017/60 ; G06F-017/30 ; G06F-015/173

14/5/2 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07536611 \*\*Image available\*\*  
VENTURE MARKET

PUB. NO.: 2003-030446 [JP 2003030446 A]  
PUBLISHED: January 31, 2003 (20030131)  
INVENTOR(s): OTANI KUMOHEI  
APPLICANT(s): OTANI KUMOHEI  
APPL. NO.: 2001-212044 [JP 20011212044]  
FILED: July 12, 2001 (20010712)  
INTL CLASS: G06F-017/60

**ABSTRACT**

PROBLEM TO BE SOLVED: To activate a venture industry by separating capital from management and business planning from its implementation, further subdividing investment to reduce investment risk and combining flexible thinking and experienced management in performing new business.

SOLUTION: The investment amount per individual is subdivided by preparing an agent stockholder in order to reduce investment risk. An agent integrates the amount invested and invests the invested amount, and transactions between a subdivided investor and the agent are automated by a computer system through the Internet. A plan to be proposed for business is advertised for on the Internet and released to investment wishers, and thereby investors are also advertised for. Business, i.e., management wishers are also advertised for on the Internet, thereby achieving an effect similar to prior evaluation of business planning and



connecting flexible thinking, experienced managers and capital.

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**14/5/3 (Item 2 from file: 347)**

DIALOG(R)File 347:JAPIO

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07419955 \*\*Image available\*\*

SYSTEM AND PROGRAM FOR MEDIATION OF DESIGN OUTSOURCING

PUB. NO.: 2002-288465 [JP 2002288465 A]

PUBLISHED: October 04, 2002 (20021004)

INVENTOR(s): SUZUKI HIROAKI

APPLICANT(s): MITSUBISHI ELECTRIC CORP

APPL. NO.: 2001-090426 [JP 20011090426]

FILED: March 27, 2001 (20010327)

INTL CLASS: **G06F-017/60**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a system for mediation of design outsourcing which reduces the cost of manual work and has a high secrecy.

SOLUTION: A mediation **server** 18 stores ordering information from ordering enterprise terminals 2 to 6 in an ordering database 16 by **bidding agent software** 20 and management **server** software 22 and stores resource information from order receiving enterprise terminals 8 to 12 in a resource database 24 and generates a **bid** table of agreement of conditions between an ordering side and an order receiving side and selectively transmits the **bid** table to ordering enterprise terminals 2 to 6 and order receiving enterprise terminals 8 to 12. When replies for contracts based on contents of the **bid** table are obtained from both sides, the mediation **server** 18 deletes the case from the ordering database 16 and deletes resource information used for the case from the resource database 24.

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**14/5/4 (Item 3 from file: 347)**

DIALOG(R)File 347:JAPIO

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07391250 \*\*Image available\*\*

METHOD FOR ELECTRONIC **AUCTION** AND DEVICE THEREFOR

PUB. NO.: 2002-259751 [JP 2002259751 A]

PUBLISHED: September 13, 2002 (20020913)

INVENTOR(s): MATSUBARA SHIGEO

APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)

APPL. NO.: 2001-060966 [JP 20011060966]

FILED: March 05, 2001 (20010305)

INTL CLASS: **G06F-017/60**

#### ABSTRACT

PROBLEM TO BE SOLVED: To assign goods efficiently by solving problems about an overload on a **server**, congestion in a **network** and information disclosure.

SOLUTION: For an ascending **auction** for deciding the assignment and

**selling** price of merchandise in the sale of the merchandise through the **network** 200, an **auctioneer** device 10 sets whether or not to permit a bidder to declare an intention of early fixation of the highest **bid** amount by an **automatic** proxy **bidding agent**, and privileges a bidder selecting early fixation of the highest **bid** amount to receive a discount on a payment, the payment of a compensation, or the like.

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**14/5/5 (Item 4 from file: 347)**  
DIALOG(R)File 347:JAPIO  
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07368246 \*\*Image available\*\*  
SYSTEM FOR COLLECTING **INTERNET** REFUSE

PUB. NO.: 2002-236743 [JP 2002236743 A]  
PUBLISHED: August 23, 2002 (20020823)  
INVENTOR(s): MOCHIZUKI ERIKA  
APPLICANT(s): MOCHIZUKI ERIKA  
APPL. NO.: 2001-077270 [JP 20011077270]  
FILED: February 09, 2001 (20010209)  
INTL CLASS: **G06F-017/60** ; B65F-005/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a system for refuse collection by utilizing the **Internet**.

SOLUTION: An agent (a) capable of providing a collection and transportation processing technologies and a refuse discarder (b) who wants to receive the **offer** of the agent (a) make registration and a request in this system by using a type of machine connectable to the **Internet**. Then, the system **automatically** notifies the **agent** (a) of the request contents of the discarder (b) to request the agent (a) to dispatch staff to solve the request contents. Therefore, the agent (a) can make registration in a wide area owing to public **offering** on the **Internet**, make detailed correspondence corresponding to the request contents of the discarder (b) and secure largely opportunities to exert sufficiently technologies the agent (a) has. It is further possible to properly and safely collect, transport and dispose refuse with respect to the kind of refuse. The discarder (b) can also receive optimum collection, transportation and disposal corresponding to the request contents.

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**14/5/6 (Item 5 from file: 347)**  
DIALOG(R)File 347:JAPIO  
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07321399 \*\*Image available\*\*  
**TRANSACTION** PRICE DETERMINING AND SUPPORTING SYSTEM

PUB. NO.: 2002-189886 [JP 2002189886 A]  
PUBLISHED: July 05, 2002 (20020705)  
INVENTOR(s): FUJII AKIHIRO  
OTANI TAKESHI  
APPLICANT(s): BRAIN TRUST & COMPANY KK  
APPL. NO.: 2000-390004 [JP 2000390004]

FILED: December 22, 2000 (20001222)  
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **transaction** price determining system for quickly and efficiently processing a mediating business for an article with large price fluctuation by communication through the **Internet**.

SOLUTION: In this **transaction** price determining system 2, **agent software** of a **server** 21 executes a **transaction** procedure, using each information of an HDD 22. When a customer (purchaser) side terminal 5-2 logs in a **Web** site of the system 2, a receiving screen is provided. When a price confirmation request specifying an article is given, a screen for confirmation/ordering presenting fluctuation information on the **transaction** price and a market **bidding** price is prepared. After obtaining an authentication after temporarily transmitting the screen to an authentication institution, the screen is provided to the customer side terminal 5-2. A purchase price of the **transaction** price is made as a predictive price determined by a moving average of the **bidding** price in the last few days and a commission is determined from **transaction** history information with the customer. When an ordering operation is performed on the customer side, a determining processing of the **transaction** and storage of **transaction** data are performed. Also the execution of a price negotiation procedure is made possible.

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14/5/7 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07240837 \*\*Image available\*\*

AGENT CORRESPONDING TO DYNAMIC PARTICIPATION IN PLURAL SIMULTANEOUS **ONLINE AUCTIONS**

PUB. NO.: 2002-109288 [JP 2002109288 A]  
PUBLISHED: April 12, 2002 (20020412)  
INVENTOR(s): VIPURU BANSARU  
RAFURU GARUGU  
APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)  
APPL. NO.: 2001-241603 [JP 20011241603]  
FILED: August 09, 2001 (20010809)  
PRIORITY: 00 667169 [US 2000667169], US (United States of America),  
September 21, 2000 (20000921)  
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for using the **agent** of **software** base to act in place of a human **auctioneer** in order to dynamically take part in plural simultaneous **online auctions**.

SOLUTION: Agents 110, 111,..., 110+n of software base can be resident in a computer system or stationary or mobile terminals of all types and on the basis of information, which is issued from the **auctioneer**, on the **auction**, the agents 110, 111,..., 110+n selects plural **auctions** 120, 121,..., 120+m to be priced. During a defeat on the **auction**, each of agents 110, 111,..., 110+n judges whether or not each of new **auctions** 120, 121,..., 120+m is to be newly priced. Each of agents 110, 111,..., 110+n can make such a judgement on the basis of a guideline to maximize a

benefit rate or remainder.

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14/5/8 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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07173470 \*\*Image available\*\*

METHOD AND DEVICE FOR **SELLING / BUYING** ARTICLE AND COMPUTER PROGRAM  
PRODUCT

PUB. NO.: 2002-041857 [JP 2002041857 A]

PUBLISHED: February 08, 2002 (20020208)

INVENTOR(s): AGGARWAL ALOK

ARUN KUMAR

RAHAL GARG

APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)

APPL. NO.: 2001-181268 [JP 20011181268]

FILED: June 15, 2001 (20010615)

PRIORITY: 00 597000 [US 2000597000], US (United States of America),

June 20, 2000 (20000620)

INTL CLASS: **G06F-017/60**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a value-added **auction** over plural  
**online auctioneers** .

SOLUTION: A method and a system are provided for a computerized **auction**  
for providing a value-added service to a bidder and a seller through an  
**intelligent** mediation **agent** capable of better matching of the bidder  
with an item. While using set **bidding** information, a mediation **bidding**  
**agent** **intelligently** offers a bid to **auction** . Similarly, a  
mediation **auction** **agent** **intelligently** puts an item for sale to  
various **auctions** . Such an agent works in place of plural clients and can  
execute an effective negotiation as well.

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14/5/9 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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06168800 \*\*Image available\*\*

METHOD AND DEVICE FOR EXECUTING **ONLINE** COMMERCIAL **TRANSACTION**

PUB. NO.: 11-110347 [JP 11110347 A]

PUBLISHED: April 23, 1999 (19990423)

INVENTOR(s): CARTER JOHN MERVYN

WEST EDMUND JAMES WHITTAKER

APPLICANT(s): INTERNATL BUSINESS MACH CORP <IBM>

APPL. NO.: 10-198250 [JP 98198250]

FILED: July 14, 1998 (19980714)

PRIORITY: 9717899 [GB 9717899], GB (United Kingdom), August 23, 1997

(19970823)

INTL CLASS: **G06F-015/00 ; G06F-013/00 ; G06F-017/60**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method which executes **online commercial transaction** on a computer base on which a client computer issues a group of correlated commercial requests and each of plural **server** computers can be used to perform service of at least one of the requests.

SOLUTION: This method is carried out by an **intelligent agent** and includes a step which receives a group of correlated commercial requests from a client computer 1 and a step which uses a client priority level that shows at least one ideal value the client wants the agent to use for each request in order to find a **server** that satisfies the request and finds a **server** that satisfies the group of requests. The finding step further uses a client significance level that shows relative significance of the request to the other requests in the group for the corresponding request.

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14/5/10 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

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05878956 \*\*Image available\*\*

METHOD AND DEVICE FOR EXECUTING **ONLINE COMMERCIAL TRANSACTION** BASED ON COMPUTER BY USING **INTELLIGENT AGENT**

PUB. NO.: 10-162056 [JP 10162056 A]

PUBLISHED: June 19, 1998 (19980619)

INVENTOR(s): JOHN MERVYN CARTER

APPLICANT(s): INTERNATL BUSINESS MACH CORP <IBM> [000709] (A Non-Japanese Company or Corporation), US (United States of America)

APPL. NO.: 09-313611 [JP 97313611]

FILED: November 14, 1997 (19971114)

PRIORITY: 9624711 [GB 9624711], GB (United Kingdom), November 28, 1996 (19961128)

INTL CLASS: [6] **G06F-017/60**

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

14/5/11 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015227570 \*\*Image available\*\*

WPI Acc No: 2003-288483/200328

XRPX Acc No: N03-229314

**Bidding method in online auction system, involves checking current bid level and placing counter bid for auction which satisfies set proxy condition**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BRACAMONTEZ E; ROBERTS R L; TRIEU HO K K; WIESEHUEGEL L J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020188545	A1	20021212	US 2001821106	A	20010329	200328 B

Priority Applications (No Type Date): US 2001821106 A 20010329

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020188545	A1	13	G06F-017/60	

Abstract (Basic): US 20020188545 A1

NOVELTY - A set containing many **bid** parameters which indicate the proxy conditions for **auction**, is provided. The current **bid** level is checked, to determined whether any of the proxy condition is satisfied. A counter **bid** is placed to the **auction** corresponding to the satisfied condition.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) computer-readable storage medium for storing **bidding** program; and

(2) proxy **agent** for **automated bidding** system.

USE - For **bidding** in **online auction** system.

ADVANTAGE - The system automatically increases the **bid** amount on behalf of the bidder in response to counter **bids** from other bidders, until the proxy value is reached and also avoids automatic and rapid counter **bidding** by opposing user during final minutes or seconds of the **auction**.

DESCRIPTION OF DRAWING(S) - The figure shows the user interface dialog for **online bidding**.

pp; 13 DwgNo 3/6

Title Terms: **BID**; METHOD; **AUCTION**; SYSTEM; CHECK; CURRENT; **BID**; LEVEL; PLACE; COUNTER; **BID**; **AUCTION**; SATISFY; SET; CONDITION

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

**14/5/12 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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015214986 \*\*Image available\*\*

WPI Acc No: 2003-275523/200327

Related WPI Acc No: 2002-711606; 2003-156266; 2003-199394

XRPX Acc No: N03-218769

**Goods/services advertisement management method using network, involves presenting database storing list of available agents, to choose required agents to create or manage presentation of related goods/services**

Patent Assignee: DEAN M A (DEAN-I); STONE L (STON-I)

Inventor: DEAN M A; STONE L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020178093	A1	20021128	US 2000480303	A	20000110	200327 B
			US 2002193465	A	20020711	

Priority Applications (No Type Date): US 2002193465 A 20020711; US 2000480303 A 20000110

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020178093 A1 105 G06F-017/60 CIP of application US 2000480303  
CIP of patent US 6446045

Abstract (Basic): US 20020178093 A1

NOVELTY - A database storing list of available agents required to create or manage the presentation of respective goods or services, is provided to sellers for choosing the agents respectively. The request for goods or services is transmitted to the selected agents respectively.

USE - For creating or managing advertisement of goods, services

inventory, product presented using media outlets in print, such as newspapers, magazines, periodicals, guidebooks, catalog, procures, fliers, directories, etc., in electronic forms, such as **online** directories, **web** sites, bulletin boards, news groups, CD-ROMs and interactive media and **networks** and in other media, such as billboards, skywriters, bus benches, radio, interactive kiosk and other form of customer outreach or information distribution used in automated media creation, publication, placement and control engine with processing and communication resource saver, sales and inventory control protocol and ticket distribution vending system.

ADVANTAGE - As the seller is allowed to choose agents for creating or managing the presentation of **offered** goods or products, the information about goods is updated and changed **automatically** by **agents** without manual input by seller, thus sellers are enabled to accomplish updating and inventory control in a cost-effective manner.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the goods and services advertisement presentation system.

pp; 105 DwgNo 1a/8

Title Terms: GOODS; SERVICE; ADVERTISE; MANAGEMENT; METHOD; **NETWORK** ;  
PRESENT; DATABASE; STORAGE; LIST; AVAILABLE; AGENT; CHOICE; REQUIRE;  
AGENT; MANAGE; PRESENT; RELATED; GOODS; SERVICE

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

**14/5/13 (Item 3 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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015179417 \*\*Image available\*\*

WPI Acc No: 2003-239947/200323

XRPX Acc No: N03-191111

**Administrating computers network such as the Internet , where each computer group is provided with a software agent having access to the data network and to the computer's system utilities/application program**

Patent Assignee: SPHERA CORP (SPHE-N)

Inventor: BONDAR G

Number of Countries: 101 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200319442	A2	20030306	WO 2002IL696	A	20020822	200323 B

Priority Applications (No Type Date): IL 147989 A 20020204; IL 145102 A 20010823

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200319442 A2 E 32 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN  
YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200319442 A2

NOVELTY - A **software agent** has access to the data **network** , such that each agent is in communication with the corresponding agent of each computer of the group via the data **network** and can invoke

commands to the operating system and/or system utilities. Gate computers are provided with a user interface through which a Sysadmin can interact with the agent associated with a corresponding gate computer. The Sysadmin inputs a command for administrating the computers through a user interface of a gate computer and forwards the command by the agent of the gate computer to the agent of the destination computers.

DETAILED DESCRIPTION - INDEPENDENT CLAIM included for the following:

(a) system

USE - For the **Internet**.

ADVANTAGE - Information **exchanged** between the Sysadmin's browser, and the gate computer, and the information **exchanged** among the computers within a cluster, can be conveyed over a secured communication channel, and consequently, a higher security level is achieved. Since the Sysadmin does not have to deal with a variety of operating systems and applications, the training period is shorter than the average period required by the prior art systems. Provides a quick recovery from a computer fault.

DESCRIPTION OF DRAWING(S) - The diagram shows the data flow in a cluster

gate computer (14)

sysadmin (60)

pp; 32 DwgNo 1/4

Title Terms: ADMINISTER; COMPUTER; **NETWORK**; COMPUTER; GROUP; SOFTWARE;

AGENT; ACCESS; DATA; **NETWORK**; COMPUTER; SYSTEM; UTILISE; APPLY; PROGRAM

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

**14/5/14 (Item 4 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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015170381

WPI Acc No: 2003-230909/200323

XRPX Acc No: N03-183672

**Automatic acting sale method and server system thereof**

Patent Assignee: YURUN BUSINESS SCI & TECHNOLOGY CO LTD (YURU-N)

Inventor: WANG J; XU R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1372213	A	20021002	CN 2001104230	A	20010226	200323 B

Priority Applications (No Type Date): CN 2001104230 A 20010226

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1372213	A		G06F-017/60	

Abstract (Basic): CN 1372213 A

NOVELTY - This invention provides an **automatic agent selling** method and its **server** system at least containing an information library storing at least one product information and a treatment device coupling with the information base to deal with the following items (1) receiving an information of the first order of purchasing a product in the base by the first consumer via **internet** 2). generating the first dealing-in distinguishing information of the qualification of **selling** on commission owned by the first consumer according to first order



information 3). coding the first **selling** on commission distinguishing informatino and the product code from the base to the first electronic file to transfer to the first cnosumer to be released by the electronic file to get the goods.

DwgNo 0/0

Title Terms: AUTOMATIC; ACT; SALE; METHOD; SERVE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-015/173 ; G06F-017/30

File Segment: EPI

14/5/15 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015078947 \*\*Image available\*\*

WPI Acc No: 2003-139465/200313

XRFX Acc No: N03-110777

**Logistics and insurance transaction negotiating system connects interfaces of logistics and insurance providers to e-market places, to allow purchasers to enter description of items to be shipped and insured**

Patent Assignee: NIHON DOT.COM CO LTD (NIDO-N)

Inventor: MORIMOTO N

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020169710	A1	20021114	US 2001286899	P	20010426	200313 B
			US 2002133217	A	20020426	
GB 2378544	A	20030212	GB 20029511	A	20020425	200313

Priority Applications (No Type Date): US 2001286899 P 20010426; US 2002133217 A 20020426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020169710	A1		23	G06F-017/60	Provisional application US 2001286899
GB 2378544	A			G06F-017/60	

Abstract (Basic): US 20020169710 A1

NOVELTY - Two sets of interfaces are provided to connect logistics providers (112,114) and insurance providers (116,118). An **agent software** module searches **network** for pricing information and maintains current database (128) of pricing information and terms. The interfaces connect e-market places (106,108) which allows purchasers to enter a description of items to be shipped and insured.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Logistics and insurance **transaction** negotiating system; and
- (2) Logistics and insurance **transaction** negotiating program.

USE - For negotiating Logistics and insurance **transaction** through **Internet**.

ADVANTAGE - Provides a real time quotes for both shipping and insurance information to customer, by allowing purchasers to enter descriptions of items to be shipped and insured.

DESCRIPTION OF DRAWING(S) - The figure shows the logistics and insurance **transaction** negotiating system.

E-market places ((106,108)  
Logistics providers (112,114)  
Insurance providers (116,118)  
Database (128)

pp; 23 DwgNo 1/8  
Title Terms: LOGISTIC; INSURANCE; **TRANSACTION** ; NEGOTIATE; SYSTEM; CONNECT  
; INTERFACE; LOGISTIC; INSURANCE; MARKET; PLACE; ALLOW; ENTER; DESCRIBE;  
ITEM; SHIPPING  
Derwent Class: T01; T05  
International Patent Class (Main): **G06F-017/60**  
File Segment: EPI

**14/5/16** (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015076328 \*\*Image available\*\*  
WPI Acc No: 2003-136846/200313

**System and method for making real time search for industrial standard in  
field of steel, and offering electronic commerce based on industrial  
standard**

Patent Assignee: CO BANK CO LTD (COBA-N)  
Inventor: KIM H S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002066257	A	20020814	KR 20016467	A	20010209	200313 B

Priority Applications (No Type Date): KR 20016467 A 20010209

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
KR 2002066257 A 1 G06F-017/60

Abstract (Basic): KR 2002066257 A

NOVELTY - A steel electronic commerce service method is provided to integrate various steel related industrial standards at a database for enabling a user to search for a desired steel product with a corresponding standard, to drive an **intelligent transaction agent** for seizing sale status of a steel product corresponding to the searched standard, and to connect to an electronic commerce system for enabling the user to purchase a steel product.

DETAILED DESCRIPTION - The method comprises steps of a user accessing a **web server** (100), the user passing a member authentication procedure(110, 120), the user, a seller or a buyer, requesting a sale or a purchase registration screen and selecting a sale or a purchase menu(130), the user selecting a class code in which the steel product is included(140), the user inputting at a form information on a steel product to be sold or purchased(150), the user storing the input information at a product registration database after correcting input errors(160, 170), a system operation module driving an **intelligent transaction agent**, and the **intelligent transaction agent** searching for a registered sale steel product identical to a registered purchase steel product by using an industrial standard name included in registration information(180), the **transaction agent** displaying summarized information such as a buyer name, a standard, a steel product name, dimensions, a weight, a purchase area, and a **transaction period**(190), if the user wants to browse details by clicking corresponding summarized information, the system operation module **offering** detailed information such as information on a seller or a buyer, and a steel product, and a product **transaction menu**(195).

pp; 1 DwgNo 1/10  
Title Terms: SYSTEM; METHOD; REAL; TIME; SEARCH; INDUSTRIAL; STANDARD;  
FIELD; STEEL; **OFFER** ; ELECTRONIC; BASED; INDUSTRIAL; STANDARD

Derwent Class: T01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

14/5/17 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015030128 \*\*Image available\*\*  
WPI Acc No: 2003-090645/200308  
XRPX Acc No: N03-071611

**Electronic transaction related fraud detection and prevention method involves updating fraud detection and prevention model software using integrated intelligent technologies according to current electronic transactions**

Patent Assignee: ADJAOUTE A (ADJA-I); IMMUNE SOLUTIONS INC (IMMU-N)

Inventor: ADJAOUTE A

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020133721	A1	20020919	US 2001810313	A	20010315	200308 B
WO 200275476	A2	20020926	WO 2001US17797	A	20010531	200308

Priority Applications (No Type Date): US 2001810313 A 20010315

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020133721	A1		46	G06F-011/30	
WO 200275476	A2	E		G06F-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): US 20020133721 A1

NOVELTY - A fraud detection and prevention model software (54) is generated using integrated intelligent technologies and trained according to a client's past electronic **transactions** stored in a database. The model software is queried with a current electronic **transaction**, to determine whether the information sent by the user to a client is fraudulent and the model software is updated according to current **transaction**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Dynamic electronic **transaction** related fraud detection and prevention system;
- (2) Electronic **transaction** related fraud detection and prevention model software; and
- (3) Dynamic **network** intrusion detection and prevention method.

USE - For determining fraudulent activities for electronic **transactions** such as shopping, **auctioning** and financial **trading**.

ADVANTAGE - Enables real-time detection and prevention of electronic fraud and **network** intrusion in multiple industrial **networks**, by updating the fraud detection and prevention software.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of electronic **transaction** fraud detection and prevention software.

Fraud detection and prevention model software (54)  
pp; 46 DwgNo 1/34

Title Terms: ELECTRONIC; **TRANSACTION** ; RELATED; FRAUD; DETECT; PREVENT;  
METHOD; UPDATE; FRAUD; DETECT; PREVENT; MODEL; SOFTWARE; INTEGRATE;  
INTELLIGENCE; ACCORD; CURRENT; ELECTRONIC; **TRANSACTION**  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-000/00 ; G06F-011/30  
File Segment: EPI

14/5/18 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015029898 \*\*Image available\*\*  
WPI Acc No: 2003-090415/200308  
XRPX Acc No: N03-071392

**Wireless communication management system has management console that provides integrated management of servers providing wireless services to several clients using wireless application protocol**

Patent Assignee: MATHARU T S (MATH-I)

Inventor: MATHARU T S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020129136	A1	20020912	US 2001274534	P	20010308	200308 B
			US 200293941	A	20020308	

Priority Applications (No Type Date): US 2001274534 P 20010308; US  
200293941 A 20020308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020129136	A1	40	G06F-015/16	Provisional application US 2001274534

Abstract (Basic): US 20020129136 A1

NOVELTY - Multiple wireless communication **servers** provide wireless services to several clients using a wireless application protocol (WAP). A management console connected to the **servers** provide an integrated management of the multiple **servers**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Wireless communication management method;
- (2) Carrier medium storing wireless communication management program.

USE - Wireless communication management system for providing integrated management of multiple **servers** that provide wireless services such as e-business, e-commerce, mobile commerce (m-commerce) applications, procurement, account access e.g. from banks or financial service institutions, warehouse inventory applications, package delivery applications, voice access to **web** data, **exchanges**, customer account access, supply chain management (SCM), customer relationship management (CRM) and other **web** applications, to clients through computer systems such as personal computer system, main frame computer system, workstation, **network** appliance, **internet** appliance, personal digital assistant (PDA), mobile phone, cellular phone, wireless phone, pager, wireless communication device, television system, communication device, wireless tablets, etc.

ADVANTAGE - By providing a management console, an integrated management of the wireless communications **server** is enabled, hence a seamless, reliable WAP **server** service is provided.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of the management console software connected to several **software agents**.

pp; 40 DwgNo 2/33  
Title Terms: WIRELESS; COMMUNICATE; MANAGEMENT; SYSTEM; MANAGEMENT; CONSOLE  
; INTEGRATE; MANAGEMENT; SERVE; WIRELESS; SERVICE; CLIENT; WIRELESS;  
APPLY; PROTOCOL  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-015/16  
File Segment: EPI

14/5/19 (Item 9 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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015027881 \*\*Image available\*\*

WPI Acc No: 2003-088398/200308

**System and method for calculating credit information of customer and  
recording medium storing program source**

Patent Assignee: WOORIBANK (WOOR-N)

Inventor: JUN H S; LEE Y H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002061867	A	20020725	KR 20012943	A	20010118	200308 B

Priority Applications (No Type Date): KR 20012943 A 20010118

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002061867	A	1	G06F-017/60	

Abstract (Basic): KR 2002061867 A

NOVELTY - A system and a method for calculating the credit information of a customer and a recording medium storing the program source are provided to **offer** the more reliable credit information to the customer or a financial organization by calculating the credit information through the analysis of the log data of the customer.

DETAILED DESCRIPTION - The system comprises a customer terminal, a relay **server** (30) and a financial organization **server**. The relay **server** comprises a log data collection module(31) collecting the log data when the customer terminal carries out the **web** -surfing, a credit information generating module(32) generating the credit information based on the collected log data, and an **intelligent** type **agent** management module(33) for the collecting the more diverse and much log data. The **intelligent** type **agent** module stores an **intelligent agent** program and supports the customer terminal to install an **intelligent agent**. When the customer carries out the **web** -surfing on the customer terminal installing the **intelligent agent**, all log data generated by the **web** -surfing is stored in a log data database(36).

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; METHOD; CALCULATE; CREDIT; INFORMATION; CUSTOMER;  
RECORD; MEDIUM; STORAGE; PROGRAM; SOURCE  
Derwent Class: T01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

14/5/20 (Item 10 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014979107      \*\*Image available\*\*

WPI Acc No: 2003-039621/200303

XRPX Acc No: N03-030983

**Commodity exchange facilitation method in Internet , involves performing several selected functions of the exchange through automated trusted agent**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: CRABTREE M R; LEE S; QUEK N

Number of Countries: 002    Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020128944	A1	20020912	US 2000752204	A	20001229	200303 B
AU 200197168	A	20020704	AU 200197168	A	20011210	200303

Priority Applications (No Type Date): US 2000752204 A 20001229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020128944	A1		20	G06F-017/60	
AU 200197168	A			G06F-017/60	

Abstract (Basic): US 20020128944 A1

NOVELTY - A public hub is utilized to **exchange** the commodities and the several manufacturers or suppliers are associated with the **exchange** . Several selected functions including price and contract term, management functions of the **exchange** are performed through an **automated trusted agent** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Commodity **exchange** facilitating system; and
- (2) Storage device storing commodity **exchange** facilitation program.

USE - For **exchange** of commodities using public **trading** hub in Internet , intranet , extranet.

ADVANTAGE - Improves communication and protects property information and strategic relationships, reliably. The hub structure has hierarchical authority to protect and control key business processes. Allows direct interaction between entities of the process for non-critical activities.

DESCRIPTION OF DRAWING(S) - The figure shows the public hub utilized in the distributed fulfillment model.

pp; 20 DwgNo 2/7

Title Terms: COMMODITY; **EXCHANGE** ; FACILITATE; METHOD; PERFORMANCE; SELECT ; FUNCTION; **EXCHANGE** ; THROUGH; AUTOMATIC; AGENT

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): G07F-019/00

File Segment: EPI

14/5/21      (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014956516      \*\*Image available\*\*

WPI Acc No: 2003-017030/200301

XRPX Acc No: N03-012934

**Content search enabling method for client, involves identifying content search methodology from data routed between client and content server to generate search agent**

Patent Assignee: AGAPIEV B (AGAP-I)

Inventor: AGAPIEV B  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 20020120714 A1 20020829 US 2001794817 A 20010226 200301 B

Priority Applications (No Type Date): US 2001794817 A 20010226

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020120714 A1 44 G06F-015/16

Abstract (Basic): US 20020120714 A1

NOVELTY - Data is routed between a client (200) and a content server (204) through an intermediate server (206). The intermediate server identifies a search methodology for searching content in the content server based on the data transmitted between the client and the content server. A search agent is generated to implement the identified search methodology.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Method for automating search of web sites;
- (2) System for generating code to enable client system to search content;
- (3) System for enabling automatic search of web sites;
- (4) Method for facilitating B2B exchange between two entities;
- (5) Method for enabling novice computer user to generate search agent; and
- (6) Search agent generation method.

USE - For enabling client to search content from web sites in internet.

ADVANTAGE - A customized search agent is generated automatically for efficiently locating content on the internet.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of the client server communication method.

Client (200)  
Content server (204)  
Intermediate server (206)  
pp; 44 DwgNo 2/33

Title Terms: CONTENT; SEARCH; ENABLE; METHOD; CLIENT; IDENTIFY; CONTENT; SEARCH; DATA; ROUTE; CLIENT; CONTENT; SERVE; GENERATE; SEARCH; AGENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16

File Segment: EPI

14/5/22 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014956184 \*\*Image available\*\*  
WPI Acc No: 2003-016698/200301  
XRPX Acc No: N03-012612

Interface provision method for electronic commerce application, involves modifying parameter of intelligent agent displaced in interface on - line during negotiation process

Patent Assignee: AMARIEI A (AMAR-I); BATACHIA I L (BATA-I); CRACIUN A (CRAC-I); DINU A (DINU-I); MARIN P E (MARI-I); NICULESCU A G (NICU-I); URSAN S A (URSA-I); VOXAGE LTD (VOXA-N)

Inventor: AMARIEI A; BATACHIA I L; CRACIUN A; DINU A; MARIN P E; NICULESCU A G; URSAN S A

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020116349	A1	20020822	US 2000257595	P	20001222	200301 B
			US 2001865111	A	20010524	
WO 200309082	A2	20030130	WO 2002IB4318	A	20020523	200310

Priority Applications (No Type Date): US 2000257595 P 20001222; US 2001865111 A 20010524

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020116349	A1		34	G06F-017/00	Provisional application US 2000257595

WO 200309082 A2 E G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20020116349 A1

NOVELTY - A parameter of an **intelligent agent**, such as behavior in negotiation or deadline, intervals of acceptability for an issue in the negotiation, weightage of the negotiation are displayed in the interface **on - line** during a negotiation process. The parameter of the agent is modified during the process of negotiation.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer accessible medium storing instructions for interface provision performance method; and

(2) Apparatus for providing interface that enhances negotiation between agents.

USE - For providing interface between the user and partner **intelligent agents** to perform **buying** and **selling** goods and services through **internet** using portable devices such as laptop computer, personal digital assistant (PDA), handheld PC, mobile phone, etc.

ADVANTAGE - The **intelligent agents** parameter can be modified and designed, as required by users thereby providing reliable, efficient and profitable negotiation between the users.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the interface provision apparatus.

pp; 34 DwgNo 4/36

Title Terms: INTERFACE; PROVISION; METHOD; ELECTRONIC; APPLY; MODIFIED; PARAMETER; INTELLIGENCE; AGENT; DISPLACE; INTERFACE; LINE; NEGOTIATE; PROCESS

Derwent Class: T01; W01

International Patent Class (Main): G06F-000/00 ; G06F-017/00

File Segment: EPI

14/5/23 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014867355 \*\*Image available\*\*

WPI Acc No: 2002-688061/200274

System and method for supporting business to business ec

Patent Assignee: SIRI CO LTD (SIRI-N)



Inventor: LEE J H; PARK S C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002034684	A	20020509	KR 200065149	A	20001103	200274 B

Priority Applications (No Type Date): KR 200065149 A 20001103

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002034684	A		1 G06F-017/60	

Abstract (Basic): KR 2002034684 A

NOVELTY - A system and a method for supporting the B2B(Business to Business) EC(Electric Commerce) are provided to effectively support the entire processes of a B2B EC **transaction** by utilizing a basic technology, a control technology, a recognition technology, a storing technology and an analysis technology.

DETAILED DESCRIPTION - The system for supporting the B2B EC comprises a basic device consisting of a universal code support(14), an integrated code system(11), an engineering DB(12) and a product DB(13), a recognition device consisting of an article thesaurus module(21) to provide an easy and accurate product search service to a system user and a virtual machine(22) supporting to share a **transaction** element and the product stock information and to enable the resources and product data of each company to use and constantly link with each other without a correction of the internal system, a storage device consisting of an XML(eXensible Markup Language) DB engine(31), an XML DB editor(32) and an XML storage(30), a control device consisting of a multimedia information security device(40), and an analysis device consisting of a **web** mining module(51) and an **intelligent agent** (52).

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; METHOD; SUPPORT; BUSINESS; BUSINESS

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/24 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014797129 \*\*Image available\*\*

WPI Acc No: 2002-617835/200266

XRPX Acc No: N02-489019

Offer and acceptance method in e-commerce involves providing offer that is generated based on policy using intelligent agent , to customer

Patent Assignee: AMARIEI A (AMAR-I); BATACHIA L (BATA-I); VOXAGE LTD (VOXA-N)

Inventor: AMARIEI A; BATACHIA L

Number of Countries: 099 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020082912	A1	20020627	US 2000746984	A	20001222	200266 B
WO 200252377	A2	20020704	WO 2001US49630	A	20011221	200266

Priority Applications (No Type Date): US 2000746984 A 20001222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020082912	A1		13 G06F-017/60	

WO 200252377 A2 E G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA  
ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20020082912 A1

NOVELTY - An **offer** package with several options, is generated using an **intelligent agent** based on a specific policy and customer's preferences and is sent to a customer through a wireless **network**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) **Offer** and acceptance apparatus; and
- (2) **Offer** and acceptance system.

USE - In e-commerce, for booking airplane tickets, hotel and car rentals.

ADVANTAGE - Enables a vendor to send **offers** based on dynamic pricing that satisfies both individual customers and vendors. Enables vendors to reserve capacity to be sold at premium rates during peak calling times, by understanding the customer's individual requirements and price sensitivity.

DESCRIPTION OF DRAWING(S) - The figure shows an exemplary **offer** and acceptance based on a push model.

pp; 13 DwgNo 1/6

Title Terms: **OFFER** ; ACCEPT; METHOD; **OFFER** ; GENERATE; BASED;

INTELLIGENCE; AGENT; CUSTOMER

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-000/00 ; G06F-017/60

File Segment: EPI

14/5/25 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014684948 \*\*Image available\*\*

WPI Acc No: 2002-505652/200254

**Method and system for providing information using intelligent agent**

Patent Assignee: JANG J O (JANG-I)

Inventor: JANG J O

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002006810	A	20020126	KR 200040247	A	20000713	200254 B

Priority Applications (No Type Date): KR 200040247 A 20000713

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 2002006810 A 1 G06F-017/00

Abstract (Basic): KR 2002006810 A

NOVELTY - A method and a system for providing information using an **intelligent agent** are provided to **offer** rapidly and effectively customized information that **Internet** users desire by recommending the customized information suitable for the user by analyzing, learning, and reasoning a taste and a liking of the **Internet** users through the

**intelligent agent .**

DETAILED DESCRIPTION - A system for providing information using an **intelligent agent** is comprised of a user client(10) and an operator unit(30) of a **website** for providing a customized information. The operator unit(30) of the **website** is composed of a **web server** (31), a **web page**(32), an **intelligent agent** (33), a member database(34), a data database(35), an event database(36), and an association of like-minded personal database(37). The user client(10) allows a user to connect to the **web** site for **offering** an information providing service by using the **intelligent agent** through the **Internet** (20). The operator unit(30) of the **website** grasps a taste and a preference of the user clients(10) connected through the **Internet** (20) and recommends the users the customized information. The operator unit(30) of the **website** forms a **web server** -oriented **network** by cooperating with other **website** enterprises that have an information database dispersed on the **Internet** . The operator unit(30) recommends the customized information by analyzing, learning, and reasoning the taste and the preference of the users connecting to the **website** .

pp; 1 DwgNo 1/10

Title Terms: METHOD; SYSTEM; INFORMATION; INTELLIGENCE; AGENT

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

14/5/26 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014640478 \*\*Image available\*\*

WPI Acc No: 2002-461182/200249

**System for acting electronic payment using floppy diskette and compact disk**

Patent Assignee: YUN T (YUNT-I)

Inventor: YUN T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002004488	A	20020116	KR 200038410	A	20000705	200249 B

Priority Applications (No Type Date): KR 200038410 A 20000705

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002004488	A		1	G06F-017/60	

Abstract (Basic): KR 2002004488 A

NOVELTY - A system for acting electronic payment using a floppy diskette and a compact disk is provided to perform not only the **Internet** electronic commerce but also a **transaction** on off-line and to secure a safe electronic commerce while maintaining the anonymity of a user.

DETAILED DESCRIPTION - The compact disk and the floppy diskette include ciphered **transaction** number, **transacted** amount of money, date of manufacture and secret number. The ciphered information is automatically connected with a computer of a clearing agent through a program comprised in the compact disk. As a computer of a clearing agent system client, an electronic payment means is configured so as to be inserted and operated. As a computer system of the clearing agent, a computer system of the clearing **agent** comprises a **software** for generating a secret number group, a first computer and related software

group for classifying and storing the generated secret number group via a **trade** number, a second computer and related software group for dealing with all information from a client and discriminating yes or no of counterfeiting and robbery, and a third computer and related software group for managing **trade** details and the balance of an individual client.

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; ACT; ELECTRONIC; PAY; FLOPPY; DISC; COMPACT; DISC  
Derwent Class: T01  
International Patent Class (Main): **G06F-017/60**  
File Segment: EPI

**14/5/27 (Item 17 from file: 350)**

DIALOG(R) File 350:Derwent WPIX  
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014640093 \*\*Image available\*\*  
WPI Acc No: 2002-460797/200249

**Internet virtual check for activating international electronic commerce and commercial internet payment agent system**

Patent Assignee: CHAE H S (CHAE-I)  
Inventor: CHAE H S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002003923	A	20020116	KR 200035478	A	20000626	200249 B

Priority Applications (No Type Date): KR 200035478 A 20000626

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
KR 2002003923 A 1 G06F-017/60

Abstract (Basic): KR 2002003923 A

NOVELTY - An **Internet** virtual check for activating an international electronic commerce and a commercial **Internet** payment agent system are provided to activate electronic commerce by issuing an **Internet** virtual check based on a deposited money, and by preventing the purchaser from being heavily damaged even though the purchaser meets with a unjust accident.

DETAILED DESCRIPTION - A compact disk is manufactured for encoding and inputting a determined secret authentication password. A computer of an electronic payment agent is connected to a plurality of purchaser computer and a plurality of seller computer connected to the **Internet**. A customer authentication unit of the electronic payment agent is **automatically** connected by an **Internet** virtual check using the compact disk. In addition, the customer authentication unit of the agent receives a password of the check. A **server** interlocking unit for an **Internet** seller authenticates the customer authentication unit interlocks information on products. A database interlocking unit inputs and outputs passwords of checks and so on. An **Internet** virtual check electronic payment agent system **server** inputs/outputs data to/from the database interlocking unit. An **Internet** virtual check electronic payment agent system **server** interlocking unit transfers prices. A database interlocking unit inputs and outputs data on payment of prices. A plurality of seller **server** is composed of a data processing unit capable of inputting and outputting data to/from the database interlocking unit. A computer for a seller inserts the compact disk in case that the seller and purchaser perform direct **transaction**.

pp; 1 DwgNo 1/10

Title Terms: VIRTUAL; CHECK; ACTIVATE; INTERNATIONAL; ELECTRONIC;  
COMMERCIAL; PAY; AGENT; SYSTEM  
Derwent Class: T01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

14/5/28 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014622731 \*\*Image available\*\*  
WPI Acc No: 2002-443435/200247  
Related WPI Acc No: 2001-355393; 2002-471006  
XRPX Acc No: N02-349368

**Automated negotiation system for e-commerce, enables buyer's intelligent negotiation agent to engage in negotiation with seller's INA, when seller's INA responds to buyer's INA query**

Patent Assignee: SOLOMON N (SOLO-I)  
Inventor: SOLOMON N  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020046157	A1	20020418	US 99162932	A	19991101	200247 B
			US 2000250819	A	20001201	
			US 20017434	A	20011203	

Priority Applications (No Type Date): US 20017434 A 20011203; US 99162932 P 19991101; US 2000250819 P 20001201

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020046157 A1 129 G06F-017/60 Provisional application US 99162932

Provisional application US 2000250819

Abstract (Basic): US 20020046157 A1

NOVELTY - A buyer's **intelligent** negotiation **agent** (INA) transmits a buyer's initial query regarding a selected item, to a seller's **intelligent** negotiation **agent**. When the buyer's INA receives a response from the seller's INA, the buyer's INA engages in negotiation with the seller's INA for procurement of the selected item.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Automated procurement closing system;
- (2) Automated procurement system;
- (3) Automated procurement negotiation method;
- (4) Automated procurement closing method;
- (5) Automated procurement method;
- (6) Automated arbitration system;
- (7) Automated arbitration method; and
- (8) Computer program product for item procurement; and
- (9) Computer program product for automated arbitration.

USE - Electronic sourcing, evolutionary computation-based data analysis and synthesis applications, artificial intelligence, marketing and financial services **network** integration, multivariate and multilateral interactive negotiation processes, item customization, mobility processes of **intelligent** negotiation **agents** (INAs), complex negotiation and **auction** approaches, **bidding** for products, aggregation and arbitration capabilities for point-to-point electronic commerce using **Internet**.

ADVANTAGE - Services and bundles using dynamic pricing approaches thereby enhancing processing efficiencies and productivity.

DESCRIPTION OF DRAWING(S) - The figure shows the architecture of a cooperative communication **network**.

pp; 129 DwgNo 1/92

Title Terms: AUTOMATIC; NEGOTIATE; SYSTEM; ENABLE; BUY; INTELLIGENCE; NEGOTIATE; AGENT; ENGAGE; NEGOTIATE; RESPOND; BUY; QUERY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-009/44

File Segment: EPI

14/5/29 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014595416 \*\*Image available\*\*

WPI Acc No: 2002-416120/200244

XRFX Acc No: N02-327422

**Community based performance monitoring system has user interface which remotely programs computing device of other users, to monitor availability of computing devices for use as agents in monitoring sessions**

Patent Assignee: MERCURY INTERACTIVE CORP (MERC-N)

Inventor: REICHMAN D

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200223434	A2	20020321	WO 2001US28129	A	20010905	200244 B
AU 200188917	A	20020326	AU 200188917	A	20010905	200251

Priority Applications (No Type Date): US 2000659476 A 20000911

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200223434 A2 E 27 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200188917 A G06F-017/60 Based on patent WO 200223434

Abstract (Basic): WO 200223434 A2

NOVELTY - Agent components (32) which run on computing devices (34) and remotely programmable over a **network**, provide functionality for accessing and monitoring end user performance of the **server** system (30). A controller (40) comprising a user interface (40A) by which the computing devices of other users are remotely programmed, monitors the availability of the computing devices for use as agents within monitoring sessions.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) **Server** system performance monitoring system;
- (b) User computer;
- (c) Monitoring service operation method;
- (d) Community based performance monitoring service provision method;
- (e) Computer **network** hop delay monitoring method

USE - For monitoring end user performance of **transactional servers , websites** or other types of multi-user systems. Also applicable for monitoring performance of WAP phones, residential gateway interconnecting home **networks** to outside **networks** .

ADVANTAGE - The agent component does not affect the performance of the computing devices, as the agent components are designed to monitor the **transaction server** only when the computing devices are in idle or lightly loaded state. The need for service provider to setup and administer agent computers are eliminated or reduced by using the shared community resources to host the **agent software** . The user can monitor the systems from the user locations of any other community members.

DESCRIPTION OF DRAWING(S) - The figure shows an illustrative architectural view of the community based performance monitoring system.

Server system (30)  
Agent components (32)  
Computing devices (34)  
Controller (40)  
User interface (40A)  
pp; 27 DwgNo 1/5

Title Terms: COMMUNAL; BASED; PERFORMANCE; MONITOR; SYSTEM; USER; INTERFACE  
; REMOTE; PROGRAM; COMPUTATION; DEVICE; USER; MONITOR; AVAILABLE;  
COMPUTATION; DEVICE; AGENT; MONITOR; SESSION  
Derwent Class: T01; W01  
International Patent Class (Main): **G06F-017/60**  
File Segment: EPI

**14/5/30 (Item 20 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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014540228 \*\*Image available\*\*  
WPI Acc No: 2002-360931/200239  
XRPX Acc No: N02-282009

**Link failure diagnosis method in computer network , involves running auto-negotiation sequence and detecting failure and passing signal relating to that failure to relevant register for determining type of failure**

Patent Assignee: 3COM CORP (THRE-N)  
Inventor: QUINLAN U  
Number of Countries: 002 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020021671	A1	20020221	US 2001924955	A	20010808	200239 B
GB 2369539	A	20020529	GB 200119160	A	20010806	200243
GB 2369539	B	20021009	GB 200119160	A	20010806	200267

Priority Applications (No Type Date): GB 200020004 A 20000814  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020021671	A1	8	H04J-001/16	
GB 2369539	A		H04L-012/26	
GB 2369539	B		H04L-012/26	

Abstract (Basic): US 20020021671 A1

NOVELTY - A new device (A) and the known device (B) such as **network** switches including multiple registers (23) adapted to store data about types of failures, are connected. The failure is detected

and signals relating to that failure are passed to the relevant register after running auto-negotiation sequence. The multiple registers are interrogated and the type of failure are determined.

USE - For diagnosing link failure such as light loss, bit/word alignment failure, synchronization loss during auto-negotiation, auto-negotiation protocol hang during base page failure, auto-negotiation protocol hang during next page **exchange**, auto-negotiation protocol restart due to link partner initiating break link in computer **network**.

ADVANTAGE - **Software** provides more **intelligent** answer in the sense, that it can also review the contents of multiple register simultaneously, since particular type of fault can cause an error signal to be provided in multiple registers. Facilitates to debug many problems by accurately detecting link failures using simple technique.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory view of **network** containing multiple devices.

Registers (23)  
New device (A)  
Known device (B)  
pp; 8 DwgNo 1/3

Title Terms: LINK; FAIL; DIAGNOSE; METHOD; COMPUTER; **NETWORK**; RUN; AUTO; NEGOTIATE; SEQUENCE; DETECT; FAIL; PASS; SIGNAL; RELATED; FAIL; RELEVANT; REGISTER; DETERMINE; TYPE; FAIL

Derwent Class: U21; W01

International Patent Class (Main): H04J-001/16; **H04L-012/26**

International Patent Class (Additional): **H04L-029/06**

File Segment: EPI

14/5/31 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014527914 \*\*Image available\*\*

WPI Acc No: 2002-348617/200238

**Distributed mobile agent environment based intelligent network structure and service method**

Patent Assignee: KOREA TELECOM (KOTE-N)

Inventor: JUNG M S; LIM S Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001065101	A	20010711	KR 9964915	A	19991229	200238 B

Priority Applications (No Type Date): KR 9964915 A 19991229

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001065101	A	1	H04L-012/28	

Abstract (Basic): KR 2001065101 A

NOVELTY - A distributed mobile **agent** environment based **intelligent network** structure and a service method is provided to embody a distributed **network** control structure and a service method to **offer** intelligent **network** services by introducing a DAE(Distributed **Agent** Environment) for **intelligent network** elements and applying a mobile agent technology.

DETAILED DESCRIPTION - A distributed mobile **agent** environment based **intelligent network** structure is provided with a service **exchange** agency(21), a service control agency(20), a service supply agency(19), an intelligent information service agency(22), a service



generation agency(23), and a subscriber agency(24). The service exchange agency(21), connected with a service exchange system(2), manages mobile agents supporting a service exchange function. The service control agency(20), connected with a service control system(4), manages mobile agents supporting a service control function. The service supply agency(19), connected with a service management system(6), manages mobile agents supporting a service supply function. The intelligent information service agency(22), connected with an intelligent peripheral(5), manages mobile agents supporting an intelligent information service function. The service generation agency(23), connected with a service generation environment unit(7), takes charge of the generation of intelligent network services. The subscriber agency(24), connected with a subscriber terminal(25), covers the service configuration of subscribers.

pp; 1 DwgNo 1/10

Title Terms: DISTRIBUTE; MOBILE; AGENT; ENVIRONMENT; BASED; INTELLIGENCE; NETWORK ; STRUCTURE; SERVICE; METHOD

Derwent Class: W01

International Patent Class (Main): H04L-012/28

File Segment: EPI

14/5/32 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014518885 \*\*Image available\*\*

WPI Acc No: 2002-339588/200237

XRPX Acc No: N02-267032

Computer network information exchange system uses mobile intelligent agents capable of replicating nodes

Patent Assignee: CAMBIRA CORP (CAMB-N)

Inventor: GUPTA P; KONDRATIEV D

Number of Countries: 096 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200217106	A1	20020228	WO 2001US41871	A	20010823	200237 B
AU 200189155	A	20020304	AU 200189155	A	20010823	200247
US 6513059	B1	20030128	US 2000648299	A	20000824	200311

Priority Applications (No Type Date): US 2000648299 A 20000824

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200217106 A1 E 34 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200189155 A G06F-015/16 Based on patent WO 200217106

US 6513059 B1 G06F-015/16

Abstract (Basic): WO 200217106 A1

NOVELTY - System comprises a context tree (11) having two context nodes (17) in two context trees associated with node objects (19) and a knowledge base containing information, a fact, a constraint or rule. Four mobile intelligent agents (13) that can replicate nodes and each other exchange information concerning the node object, with the first permitted to post a message, and can migrate between nodes in a

hub and spoke configuration communicating within a tree. A node change mechanism implements rule changes and a blackboard mechanism makes messages concerning the node object available for reading. An inference mechanism provides logical conclusion inference rules.

DETAILED DESCRIPTION - A runtime framework mechanism receives and implements a change of the context tree, the agents communicate using CORBA, XML or WAP and provide garbage collection, security etc.

USE - System is for **Internet** applications.

DESCRIPTION OF DRAWING(S) - The figure shows a general environment in which a user utilizes spokes to perform a specific task with

context tree (11)  
mobile agents (13)  
context nodes (17)  
node objects (19)  
pp; 34 DwgNo 4/7

Title Terms: COMPUTER; **NETWORK** ; INFORMATION; **EXCHANGE** ; SYSTEM; MOBILE;  
INTELLIGENCE; AGENT; CAPABLE; REPLICA; NODE  
Derwent Class: T01  
International Patent Class (Main): **G06F-015/16**  
File Segment: EPI

**14/5/33 (Item 23 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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014483451 \*\*Image available\*\*  
WPI Acc No: 2002-304154/200234  
Related WPI Acc No: 2002-339675  
XRPX Acc No: N02-237983

**Computer-implemented method in which intelligent agent negotiates purchase of product or service on behalf of party customizing price for product/service using item of personal data associated with purchaser and arbitrary pricing policy**

Patent Assignee: SONY ELECTRONICS INC (SONY ); LUDTKE H A (LUDT-I);  
MARITZEN L M (MARI-I)

Inventor: LUDTKE H A; MARITZEN L M

Number of Countries: 097 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200217089	A1	20020228	WO 2001US26099	A	20010820	200234 B
US 20020052797	A1	20020502	US 2000227856	P	20000823	200234
			US 2000254412	P	20001208	
			US 2001930608	A	20010815	
AU 200185146	A	20020304	AU 200185146	A	20010820	200247

Priority Applications (No Type Date): US 2001930608 A 20010815; US  
2000227856 P 20000823; US 2000254412 P 20001208

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200217089 A1 E 30 G06F-013/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020052797 A1 G06F-017/60 Provisional application US 2000227856

AU 200185146 A G06F-013/00 Provisional application US 2000254412  
Based on patent WO 200217089

Abstract (Basic): WO 200217089 A1

NOVELTY - The method involves configuring at least one **intelligent agent** to determine whether one of the product and the service **offered** by a supplier satisfies preferences established by a party purchasing the product. Personal data associated with the party is used to customize a price for one of the product and the service. The personal data is selected from historical purchase activity, a potential future purchase activity and a group to which the party is a member.

DETAILED DESCRIPTION - The **intelligent agent** is dispatched from a client to a **server**. The **intelligent agent** is used to customize the price for one of the product and the service using one of the personal data associated with the party and at least one arbitrary pricing policy. One of the product and the service is anonymously purchased from the supplier.

INDEPENDENT CLAIMS are included for

- (1) an apparatus
- (2) a commerce system
- (3) a machine readable storage media

USE - For purchasing a product or service from a supplier.

ADVANTAGE - Product or service is purchased without disclosing identity of purchasing party.

DESCRIPTION OF DRAWING(S) - The figure shows an **intelligent agent** used to customize a price and purchase of a product or service.  
pp; 30 DwgNo 5/5

Title Terms: COMPUTER; IMPLEMENT; METHOD; INTELLIGENCE; AGENT; NEGOTIATE; PURCHASE; PRODUCT; SERVICE; PARTY; CUSTOMISATION; PRICE; PRODUCT; SERVICE ; ITEM; PERSON; DATA; ASSOCIATE; PURCHASE; ARBITRARY; PRICE

Derwent Class: T01

International Patent Class (Main): G06F-013/00 ; G06F-017/60

File Segment: EPI

14/5/34 (Item 24 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014471293 \*\*Image available\*\*

WPI Acc No: 2002-291996/200233

XRPX Acc No: N02-227977

**Electronic trading system selects agents for trades based on weighting of parameters and threshold limits for actor selection**

Patent Assignee: SELJESETH K (SELJ-I); USERTRADE AS (USER-N)

Inventor: SELJESETH K

Number of Countries: 096 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200215072	A1	20020221	WO 2001NO331	A	20010803	200233 B
NO 200003978	A	20020205	NO 20003978	A	20000804	200233
NO 312427	B1	20020506	NO 20003978	A	20000804	200238
AU 200180287	A	20020225	AU 200180287	A	20010803	200245

Priority Applications (No Type Date): NO 20003978 A 20000804

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200215072 A1 E 71 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ

PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
 NO 200003978 A G06F-017/60  
 NO 312427 B1 G06F-017/60 Previous Publ. patent NO 200003978  
 AU 200180287 A G06F-017/60 Based on patent WO 200215072

Abstract (Basic): WO 200215072 A1

NOVELTY - System comprises central systems with databases for primary data storage and processing, and an electronic marketplace which automatically settles the price of **trade** objects and conditions, selects agents for actors in each **trade** by prioritization and assigning weighting and specifies the **trades**. The client is an **Internet** -HTML based interface, WAP technology etc. and the **automatic** price and **agent** selectors comprise rules stored as code in **web** sites or rules stored as modules with algorithms

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for a method for **trading** or marketing objects over the **Internet**.

USE - System is for **Internet trading**

DESCRIPTION OF DRAWING(S) - The figure shows how the table structure and content can be built to describe defined **trading** objects.

pp; 71 DwgNo 1/21

Title Terms: ELECTRONIC; **TRADE**; SYSTEM; SELECT; AGENT; BASED; WEIGHT; PARAMETER; THRESHOLD; LIMIT; ACTOR; SELECT

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/35 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014436984 \*\*Image available\*\*

WPI Acc No: 2002-257687/200230

XXPX Acc No: N02-199478

**System for settling travel transactions has database storing and processing settlement information for transactions**

Patent Assignee: AIRLINES REPORTING CORP (AIRL-N)

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200215101	A1	20020221	WO 2001US41683	A	20010813	200230 B
AU 200187171	A	20020225	AU 200187171	A	20010813	200245

Priority Applications (No Type Date): US 2000640029 A 20000816

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200215101 A1 E 21 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
 CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS  
 JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL  
 PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200187171 A G06F-017/60 Based on patent WO 200215101

Abstract (Basic): WO 200215101 A1

NOVELTY - System comprises two computers with communications

channels to the **Internet** , a travel **transactions** settlement information database, and computer reservation systems. The computers access reservation system data and settlement information independently.

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for a method of settling travel **transactions** .

USE - System is for recording, maintaining and processing travel **transaction** , sales data and financial settlement information through an **Internet** interface on a PC.

ADVANTAGE - System provides a less expensive method of accessing the Interactive Agent Reporting (IAR) system, **automates** travel **agent** businesses, emulates a Computer Reservation System (CRS) and enables a travel agent to simultaneously establish a session with an IAR and CRS.

DESCRIPTION OF DRAWING(S) - The figure shows an **Internet** based IAR system.

pp; 21 DwgNo 3/8

Title Terms: SYSTEM; SETTLE; TRAVEL; **TRANSACTION** ; DATABASE; STORAGE; PROCESS; SETTLE; INFORMATION; **TRANSACTION**

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

14/5/36 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014385021 \*\*Image available\*\*

WPI Acc No: 2002-205724/200226

XRPX Acc No: N02-156693

**Transaction processing system used in banking and transportation industry, modifies at least one transaction task processed by supervisor platform, in real-time without interrupting transaction processing**

Patent Assignee: GENSYM CORP (GENS-N)

Inventor: BARNETT M W; BHATNAGAR H; MEHRA A

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200180083	A1	20011025	WO 2001US11711	A	20010410	200226 B
AU 200155306	A	20011030	AU 200155306	A	20010410	200226

Priority Applications (No Type Date): US 2000549672 A 20000414

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200180083 A1 E 26 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200155306 A G06F-017/30 Based on patent WO 200180083

Abstract (Basic): WO 200180083 A1

NOVELTY - A supervisor platform (20) processes the **transactions** based on at least one processing task. An action manager (26) modifies the processing task in real-time, without interrupting the **transaction** processing.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Intelligent **transaction** mining method;
- (b) **Intelligent transaction** mining **agent** ;
- (c) Action manager configuration method

USE - **Transaction** processing system especially intelligent **transaction** mining (ITM) system used in banking industry to manage deposits, withdrawals and transfers of funds among accounts and institutions. Also used in transportation industry to track the arrival and departure of goods at various locations along a delivery route and used in world-wide **web** ( **WWW** ) applications to transfer data packets across **Internet** .

ADVANTAGE - The **transaction** processing system facilitates **intelligent agents** to collect information and respond to **transactions** in real-time. Also, permits users to redefine workflow when the system is running, and to introduce **transaction** and **transaction** information easily without interrupting or jeopardizing an organization's underlying core **transaction** processing systems.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram of representative ITM system.

Supervisor platform (20)

Action manager (26)

pp; 26 DwgNo 1/7

Title Terms: **TRANSACTION** ; PROCESS; SYSTEM; BANK; TRANSPORT; INDUSTRIAL; MODIFIED; ONE; **TRANSACTION** ; TASK; PROCESS; SUPERVISION; PLATFORM; REAL; TIME; INTERRUPT; **TRANSACTION** ; PROCESS

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/37 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014343991 \*\*Image available\*\*

WPI Acc No: 2002-164694/200221

Related WPI Acc No: 2002-164702

XRPX Acc No: N02-125665

**Process automation method used for software development platform, involves storing representation of at least one transaction in process container that is transmitted to remote entity**

Patent Assignee: CONSILIENT INC (CONS-N); FREED E J (FREE-I)

Inventor: FREED E J

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200205106	A1	20020117	WO 2001US21462	A	20010707	200221 B
AU 200175874	A	20020121	AU 200175874	A	20010707	200234

Priority Applications (No Type Date): US 2000216871 P 20000707

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200205106 A1 E 157 G06F-015/173

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200205106 A1

NOVELTY - The method involves storing representation of at least one **transaction** included in a defined process in a process container which is transmitted to at least one remote entity. The contents of the container are displayed after receiving the container from the entity.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Process container;
- (b) Peer for executing process container;
- (c) Process automation system;
- (d) Process execution device;
- (e) Medium for storing instructions to perform collaboration

method;

(f) Medium for transmitting instruction adapted to be executed by a processor for performing collaboration method;

(g) Computer readable medium for storing program code and data accessible by and executable by processor in data processing system;

(h) Collaboration system

USE - For process automation and collaboration for software development platforms, application programming interfaces, software execution platforms for mobile **agent** based process **automation** and collaboration, for commerce application.

ADVANTAGE - Allows automating of ad hoc processes and facilitates collaboration, by providing scalable, flexible and adaptable architecture.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of enabled host client or **server**.

pp; 157 DwgNo 3/47

Title Terms: PROCESS; AUTOMATIC; METHOD; SOFTWARE; DEVELOP; PLATFORM; STORAGE; REPRESENT; ONE; **TRANSACTION**; PROCESS; CONTAINER; TRANSMIT; REMOTE; ENTITY

Derwent Class: T01

International Patent Class (Main): G06F-015/173

File Segment: EPI

14/5/38 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014309387 \*\*Image available\*\*

WPI Acc No: 2002-130090/200217

XRPX Acc No: N02-098135

**Access management method in ID information management system, involves transmitting information of owner terminal to other party terminal only when number of purchased points is greater than that of access points**

Patent Assignee: INFOTERIA KK (INFO-N); EJIMA K (EJIM-I); HIRANO Y (HIRA-I); HIROSE Y (HIRO-I); KITAHARA Y (KITA-I)

Inventor: EJIMA K; HIRANO Y; HIROSE Y; KITAHARA Y

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020004909	A1	20020110	US 2001884876	A	20010618	200217 B
JP 2002007409	A	20020111	JP 2000185143	A	20000620	200219

Priority Applications (No Type Date): JP 2000185143 A 20000620

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020004909 A1 30 G06F-012/14  
JP 2002007409 A 29 G06F-017/30  
Abstract (Basic): US 20020004909 A1

NOVELTY - The data in an information item corresponding to owner terminal is transmitted to a other party terminal only if the number of purchased points obtained from the other party terminal is greater than the number of access points obtained the owner terminal. A value obtained by subtracting number of access and purchased points is stored as new number of purchased points in an ID control center.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for ID information management system.

USE - In ID information management system (claimed) including owner and other party terminals connected through **Internet**, **intranet**, **LAN**, public telephone **network**, portable packet **exchange network** such as personal digital cellular (PDC) **network**, radio call **network**, PHS **network** or satellite communication **network**.

ADVANTAGE - Automatically translates information into specific information structure formats used by computer terminals of parties requesting information. Manages product and service information in addition to information regarding individuals or corporations. Enables accessing information by using **agent software** to establish dialog between requesting party and information provider to clarify the purpose of information request.

DESCRIPTION OF DRAWING(S) - The figure shows the agents of two ID holders establishing dialog in order to provide information requested by accessing party.

pp; 30 DwgNo 11/17

Title Terms: ACCESS; MANAGEMENT; METHOD; ID; INFORMATION; MANAGEMENT; SYSTEM; TRANSMIT; INFORMATION; OWNER; TERMINAL; PARTY; TERMINAL; NUMBER; PURCHASE; POINT; GREATER; ACCESS; POINT

Derwent Class: T01

International Patent Class (Main): G06F-012/14 ; G06F-017/30

International Patent Class (Additional): G06F-017/60

File Segment: EPI

14/5/39 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014301471 \*\*Image available\*\*

WPI Acc No: 2002-122175/200216

XRPX Acc No: N02-091650

Software agent **object creating method for computer network collaboration system, involves representing organizational relationship, by writing relationship tag with different relationship verbs in software agent object**

Patent Assignee: ENGENIA SOFTWARE INC (ENGE-N)

Inventor: FREEMAN M; KAY J

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200195126	A1	20011213	WO 2001US16479	A	20010601	200216 B
AU 200168074	A	20011217	AU 200168074	A	20010601	200225

Priority Applications (No Type Date): US 2000587620 A 20000605

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200195126 A1 E 133 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA



CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS  
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200168074 A G06F-015/16 Based on patent WO 200195126

Abstract (Basic): WO 200195126 A1

NOVELTY - **Software agent** objects being collaboration workspaces (114,134,154,174), are instantiated in a computer memory to represent a person. An organizational relationship (425) between different people, is represented by writing a relationship tag with different relationship verbs in respective **software agent** object, for enabling **exchange** of information in the collaboration workspace.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) **Software agent** object locating method;
- (b) Collaborative workspace creating method;
- (c) **Software agent** object creating system

USE - In computer **network** collaboration systems e.g. for relationship with fellow worker or employee or employer, with physicians, with bankers, etc.

ADVANTAGE - Enables location of other objects based on respective relationships established between the objects and hence provides great flexibility in configuring multiple workspaces, for diverse combinations of **software agent** objects in a **network**, including security policy for each **software agent** object.

DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of computer **network** nodes with **software agent** objects. Collaborative workspaces (114,134,154,174) Organization relationship (425) pp; 133 DwgNo 1/7

Title Terms: SOFTWARE; AGENT; OBJECT; METHOD; COMPUTER; **NETWORK**; SYSTEM; REPRESENT; RELATED; WRITING; RELATED; TAG; RELATED; SOFTWARE; AGENT; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/00

File Segment: EPI

14/5/40 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014267484 \*\*Image available\*\*

WPI Acc No: 2002-088182/200212

**Explanation information management server system for community of commerce at light speed standard data**

Patent Assignee: KOREA ELECTRONICS & TELECOM RES INST (KOEL-N)

Inventor: JU G J; MUN H C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001076764	A	20010816	KR 20004119	A	20000128	200212 B

Priority Applications (No Type Date): KR 20004119 A 20000128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001076764	A	1	G06F-017/00	

Abstract (Basic): KR 2001076764 A

NOVELTY - An explanation information management **server** system is provided to maintain characteristics of heterogeneous, autonomous, distributed : H/A/D) with respect to heterogeneous standard data being distributed under a CALS(commerce at light speed) environment and to **offer** a logical global view of data to a user.

DETAILED DESCRIPTION - An explanation information database has an explanation information structure prepared by an explanation information structure maker. The explanation information structure maker controls the explanation information database. An application program supporting interface **server** extracts and fabricates explanation information from the explanation information database. A CALS standard data **agent** is an **automatic** analyzing instrument of standard data being distributed under a CALS environment. The explanation information structure maker accesses to the explanation information database and extracts a schema and stores structure information of the schema. The explanation information database includes explanation information capable of CALS standard data being distributed in a local area. The CALS standard data agent plays a role of an adapter capable of transmitting/receiving the standard data from each distribution system to the application program supporting interface **server**.

pp; 1 DwgNo 1/10

Title Terms: INFORMATION; MANAGEMENT; SERVE; SYSTEM; COMMUNAL; LIGHT; SPEED ; STANDARD; DATA

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

14/5/41 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014252577 \*\*Image available\*\*

WPI Acc No: 2002-073277/200210

**Education system and method over the internet**

Patent Assignee: YOON C H (YOON-I)

Inventor: YOON C H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001073558	A	20010801	KR 20002179	A	20000118	200210 B

Priority Applications (No Type Date): KR 20002179 A 20000118

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001073558	A	1	G06F-019/00	

Abstract (Basic): KR 2001073558 A

NOVELTY - An education system and method is provided to **offer** a user a study paper, to enable the user to ask a question and to receive an advice in relation with the question over the **Internet**.

DETAILED DESCRIPTION - The method comprises steps of a user accessing a service site over the **Internet** (S201), the user inputting an ID and a password and requesting if the input ID and the password are legitimate(S202), a **web server** of the service site driving an **intelligent agent**, generating a teacher character by using an image generator, and generating a guide voice file by using a voice

generator(S206), the **web server** asking if the access user is a member or a parent of the member(S207), the **web server** requesting a study data to a database **server**, the database **server** searching for corresponding data in a subscriber management database and **offering** the searched data to the **web server** in the case that the access user is a member(S208), the **web server** **offering** a study progress state data and a study target data, and asking if the user wants to study(S209), the **web server** asking which the user wants to study among a review, a preparation or a today subject, the **web server** **offering** the selected study data by using a database **server** and a study management database, the **web server** determining if the user finishes the **offered** study contents and **offering** the study result, and the **web server** asking if the user wants a compensation, e.g. a computer game, a quiz or other amusement information.

pp; 1 DwgNo 1/10

Title Terms: EDUCATION; SYSTEM; METHOD

Derwent Class: T01

International Patent Class (Main): G06F-019/00

File Segment: EPI

14/5/42 (Item 32 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014234353

WPI Acc No: 2002-055051/200207

XRPX Acc No: N02-040630

Intelligent agent for mobile phone involves performing tasks on network in response to instructions from a user delivered over mobile telephone interfaced to the network

Patent Assignee: NEXTGEN PTY LTD (NEXT-N)

Inventor: SCHULZ P

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200157724	A1	20010809	WO 2001AU132	A	20010201	200207 B
AU 200135233	A	20010814	AU 200135233	A	20010201	200207

Priority Applications (No Type Date): AU 20009706 A 20000201

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200157724 A1 E 76 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200135233 A G06F-017/30 Based on patent WO 200157724

Abstract (Basic): WO 200157724 A1

NOVELTY - **Intelligent agent** performs tasks e.g. purchases tickets, over a **network** e.g. **Internet**. Clients instructions are input using palmtop device e.g. mobile phone, palm top computer. The agent becomes personalized for each user.

DETAILED DESCRIPTION - The **intelligent agent** is a **network** system which becomes associated with a particular user and becomes personalized for that user. The agent may be arranged to perform any number of tasks, such as obtaining information requested by the user by

trawling the **Internet**, ordering tickets, electronic commerce **transactions**, and so on. The **intelligent agent** can learn details about its assigned user thus reducing the amount of information it requires from the user in order to perform a particular task. **Intelligent agents** associated with different users may interact, e.g. to send and receive messages. An **INDEPENDENT CLAIM** is included for a method of enabling a user to carry out tasks on a **network**.

USE - Performing **network** tasks over a mobile telephone.

ADVANTAGE - Allows small personalized devices, such as mobile telephones, to gain access to **intelligent agents** to perform **network** tasks.

pp; 76 DwgNo 0/18

Title Terms: **INTELLIGENCE; AGENT; MOBILE; TELEPHONE; PERFORMANCE; TASK;**

**NETWORK ; RESPOND; INSTRUCTION; USER; DELIVER; MOBILE; TELEPHONE;**  
**INTERFACE; NETWORK**

Derwent Class: T01; W01

International Patent Class (Main): **G06F-017/30**

International Patent Class (Additional): **G06F-013/00**

File Segment: EPI

14/5/43 (Item 33 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014161369 \*\*Image available\*\*

WPI Acc No: 2001-645597/200174

**Method and system for marketing agent under web and mobile environment**

Patent Assignee: TRONAGE INC (TRON-N)

Inventor: KIM J H; SIM C M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001044443	A	20010605	KR 20018763	A	20010221	200174 B

Priority Applications (No Type Date): KR 20018763 A 20010221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001044443	A		1	G06F-017/00	

Abstract (Basic): KR 2001044443 A

NOVELTY - A marketing agent method and a system for the same are provided to enable a user to receive customized information among various information by using an **intelligent agent** service under the **web** and mobile environment so that it makes one-to-one or customized marketing.

DETAILED DESCRIPTION - The method comprises steps of a user driving an agent program as well as a **web** browser(S1), the user navigating over **web** sites or WAP support sites(S2), outputting a target **home page** on a display(S3), making the agent program monitor navigation processes and requesting a URL on a corresponding **web** site to an information provision **server** (S4), asking a marketing knowledge on the corresponding site of the information provision **server** (S5), requesting a corresponding rule if the information provision **server** has the marketing knowledge on the corresponding site(S6), the information provision **server** analyzing requests from the user(S7,S8), the **server** extracting optimal marketing knowledge or data from a database(S9), and the **server** offering the extracted marketing knowledge or data to the user(S10,S11).

pp; 1 DwgNo 1/10

Title Terms: METHOD; SYSTEM; MARKET; AGENT; **WEB** ; MOBILE; ENVIRONMENT  
Derwent Class: T01  
International Patent Class (Main): **G06F-017/00**  
File Segment: EPI

**14/5/44** (Item 34 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014096611 \*\*Image available\*\*  
WPI Acc No: 2001-580825/200165  
XRPX Acc No: N01-432599

**Company innovation summary system, in which employee has instant access to latest innovations and proprietary materials, and constant supervision over them**

Patent Assignee: MINDMATTERS TECHNOLOGIES INC (MIND-N)  
Inventor: ELSTON C A; GABRICK J J  
Number of Countries: 023 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200135277	A1	20010517	WO 2000US30868	A	20001110	200165 B
EP 1240600	A1	20020918	EP 2000978480	A	20001110	200269
			WO 2000US30868	A	20001110	

Priority Applications (No Type Date): US 2000706513 A 20001103; US 99165140  
P 19991112; US 2000687510 A 20001012

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200135277 A1 E 144 G06F-017/30

Designated States (National): CA CN JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE TR

EP 1240600 A1 E G06F-017/30 Based on patent WO 200135277

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI

LU MC NL PT SE TR

Abstract (Basic): WO 200135277 A1

NOVELTY - The system automatically summarises company innovations using **intelligent agents** to **automatically** perform searches on the **Internet** to find competing or encroaching ideas. The system generates reports which list potentially competitive strengths or weaknesses.

DETAILED DESCRIPTION - The system streamlines the process of creating, preserving and protecting proprietary assets. The system identifies, classifies, compiles, tracks and routes real-time data automatically on a continuous basis, and provides instant access to stored database information e.g. **trade** secret archives, patent filings, computed valuations (rules classes logs), user information and a variety of detailed reports. INDEPENDENT CLAIMS are included for; a system for streamlining the process of creating, preserving and protecting proprietary assets; a system for **web** based development and exploitation of IP.

USE - Automating and managing an enterprise Intellectual Property environment, with global communications **network** capabilities.

ADVANTAGE - System works efficiently within legal parameters of any company environment, regardless of industry, and works in cooperation with In-house counsel.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram of a **trade** secret monitoring aspect of the system.

pp; 144 DwgNo 2/65

Title Terms: COMPANY; SUMMARY; SYSTEM; EMPLOY; INSTANT; ACCESS; LATE;  
INNOVATIONS; MATERIAL; CONSTANT; SUPERVISION  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

14/5/45 (Item 35 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014012240 \*\*Image available\*\*  
WPI Acc No:- 2001-496454/200154  
XRPX Acc No: N01-367920

**Clustered computer system**

Patent Assignee: BIZTRO INC (BIZT-N); B-HUB INC (BHUB-N)

Inventor: D'SOUZA R P

Number of Countries: 094 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200101221	A2	20010104	WO 2000US17857	A	20000628	200154 B
AU 200057769	A	20010131	AU 200057769	A	20000628	200154
US 6446218	B1	20020903	US 99346000	A	19990630	200260
US 6453468	B1	20020917	US 99346074	A	19990630	200264

Priority Applications (No Type Date): US 99346155 A 19990630; US 99344266 A  
19990630; US 99345250 A 19990630; US 99346000 A 19990630; US 99346074 A  
19990630

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200101221 A2 E 72 G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200057769 A G06F-000/00 Based on patent WO 200101221  
US 6446218 B1 G06F-015/16  
US 6453468 B1 G06F-009/44

Abstract (Basic): WO 200101221 A2

NOVELTY - System has one cluster of computers connected to service **transaction** requests and comprises an **intelligent director agent** coupled to two heterogeneous computers to receive computer-specific information and software module-specific information from them. The agent routes **transaction** requests to the computers and reconfigures the software modules on them in response to information from them. The software module-specific information includes software version information relevant to the modules and the agent also receives external historical profiles (268) on past **transaction** requests.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a method of balancing load levels among computers and (2) a method of predicting computer stress in clustered computers.

USE - System is for improving the reliability and response time of a scalable computer system used in e-commerce applications through the **Internet**.

DESCRIPTION OF DRAWING(S) - The drawing shows a clustered computer system architecture with an **intelligent director agent**.

pp; 72 DwgNo 2/13

Title Terms: CLUSTER; COMPUTER; SYSTEM

Derwent Class: T01  
International Patent Class (Main): G06F-000/00 ; G06F-009/44 ;  
G06F-015/16  
File Segment: EPI

14/5/46 (Item 36 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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013980610 \*\*Image available\*\*  
WPI Acc No: 2001-464824/200150  
Related WPI Acc No: 2001-308279; 2001-308291; 2001-407912; 2002-557143  
XRPX Acc No: N01-344815

**Index cards on a network host for searching, rating and ranking of web sites using a central search engine operating on a data structure**

Patent Assignee: 360 POWERED CORP (THRE-N)  
Inventor: DUGUAY C E; MEADWAY M D; TRIPP G W  
Number of Countries: 094 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200127805	A2	20010419	WO 2000US28653	A	20001013	200150 B
AU 200110917	A	20010423	AU 200110917	A	20001013	200150

Priority Applications (No Type Date): US 99419405 A 19991014

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200127805	A2	E	44	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200110917 A G06F-017/00 Based on patent WO 200127805

Abstract (Basic): WO 200127805 A2

NOVELTY - A central **server** (202) stores a central index and processes search queries and includes index card files (206) at remote **servers** (208) each containing information about **web** sites, while a router (210) directs search requests and updates **transactions** at **servers** (214,302,222). An index card database **server** (226) and check **server** (228) respectively store an index card database and checks for new valid index card files and index card information can be sent **automatically** using an **agent** program (204), which can also process objects on the **web** site to parse their contents and can extract data for use in a ranking algorithm, which is transmitted to the central cataloging site.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method of making categorized information about a site available, for a computer data set with a program, for a method of constructing a catalog of rankings for stored objects and for a method of limiting exposure of objects on a computer system.

USE - Searching, rating and ranking of **web** sites.

ADVANTAGE - More accurate rating of **web** sites and making search results more meaningful.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of a search engine

Central **server** (202)  
Remote **servers** (208)

Router (210)  
Database and check **servers** (226,228)  
Agent program (204)  
pp; 44 DwgNo 1/5  
Title Terms: INDEX; CARD; **NETWORK** ; HOST; SEARCH; RATING; RANK; **WEB** ;  
SITE; CENTRAL; SEARCH; ENGINE; OPERATE; DATA; STRUCTURE  
Derwent Class: T01  
International Patent Class (Main): **G06F-017/00**  
File Segment: EPI

**14/5/47** (Item 37 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013824024 \*\*Image available\*\*  
WPI Acc No: 2001-308236/200132  
XRPX Acc No: N01-220576

**Automatic negotiating method for on - line transaction , involves  
completing transaction including bartered exchange , based on result  
of negotiation for product through network**

Patent Assignee: TAN M (TANM-I)  
Inventor: TAN M  
Number of Countries: 093 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200125995	A1	20010412	WO 2000US26845	A	20000929	200132 B
AU 200077361	A	20010510	AU 200077361	A	20000929	200143

Priority Applications (No Type Date): US 2000676051 A 20000928; US 99157318  
P 19991001

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200125995	A1	E	53	G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW  
AU 200077361 A G06F-017/60 Based on patent WO 200125995

Abstract (Basic): WO 200125995 A1

NOVELTY - The **automated** negotiation **agent** is made to receive  
indication of product to be acquired through the **network** . The  
negotiation for product is carried out through **network** on behalf of  
individual. The **transaction** including bartered **exchange** , is  
completed as the result of negotiation.

USE - For automatic negotiation in sale and **exchange** based  
**transaction** .

ADVANTAGE - Enables automated negotiation in **on - line**  
environment. Facilitates storage of negotiation software in disc.  
Enables establishment of category-specific ltrading community and  
virtual **trading** clubs.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of  
negotiating system.

pp; 53 DwgNo 2/14

Title Terms: AUTOMATIC; NEGOTIATE; METHOD; LINE; **TRANSACTION** ; COMPLETE;  
**TRANSACTION** ; **EXCHANGE** ; BASED; RESULT; NEGOTIATE; PRODUCT; THROUGH;  
**NETWORK**



Derwent Class: T01; T05  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

14/5/48 (Item 38 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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013500548 \*\*Image available\*\*  
WPI Acc No: 2000-672489/200065  
XRPX Acc No: N00-498607

Internet multimedia access smart card processing logic having access  
terminal virtual file interface establishing link using file  
attachments/information object file exchanged.

Patent Assignee: BULL CP8 (SELA ); BULL CP8 SA (SELA )

Inventor: URIEN P

Number of Countries: 026 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200056030	A1	20000921	WO 2000FR625	A	20000315	200065 B
FR 2791159	A1	20000922	FR 993172	A	19990315	200065
AU 200032982	A	20001004	AU 200032982	A	20000315	200101
EP 1076972	A1	20010221	EP 2000910949	A	20000315	200111
			WO 2000FR625	A	20000315	
CN 1300494	A	20010620	CN 2000800590	A	20000315	200159
KR 2001043648	A	20010525	KR 2000712833	A	20001115	200168
JP 2002539546	W	20021119	JP 2000605361	A	20000315	200281
			WO 2000FR625	A	20000315	

Priority Applications (No Type Date): FR 993172 A 19990315

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200056030 A1 F 60 H04L-029/06

Designated States (National): AU CA CN JP KR SG US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

FR 2791159 A1 G06F-015/76

AU 200032982 A H04L-029/06 Based on patent WO 200056030

EP 1076972 A1 F H04L-029/06 Based on patent WO 200056030

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI

LU MC NL PT SE

CN 1300494 A H04L-029/06

KR 2001043648 A H04L-029/06

JP 2002539546 W 62 G06K-019/00 Based on patent WO 200056030

Abstract (Basic): WO 200056030 A1

NOVELTY - The smart card information processing system using a  
network access terminal has an object file store in the network  
allowing the object to be accessed. The network interface cooperates  
with a virtual network interface in the terminal accessing the  
network. The interface object file is accessed by establishing a  
relationship between information transmitted by the interface network  
and attached to the object file and information exchanged with the  
object file.

USE - Object smart card virtual access for internet multimedia  
networks.

ADVANTAGE - A large number of applications which themselves are  
large size can be accessed with maximum security.

DESCRIPTION OF DRAWING(S) - The figure shows a simplified logic  
architecture of a system with a smart card with intelligent agents

intelligent agent (232-a2)  
 intelligent agent (232-a1)  
 lower protocols (200a)  
 navigator (10)  
 protocol layers (100)  
 pp; 60 DwgNo 3/14  
 Title Terms: ACCESS; SMART; CARD; PROCESS; LOGIC; ACCESS; TERMINAL; VIRTUAL  
 ; FILE; INTERFACE; ESTABLISH; LINK; FILE; ATTACH; INFORMATION; OBJECT;  
 FILE; **EXCHANGE**  
 Derwent Class: W01  
 International Patent Class (Main): **G06F-015/76** ; G06K-019/00; **H04L-029/06**  
 International Patent Class (Additional): **G06F-012/00** ; G06K-017/00;  
 G06K-019/07  
 File Segment: EPI

14/5/49 (Item 39 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

013310564 \*\*Image available\*\*  
 WPI Acc No: 2000-482501/200042  
 XRPX Acc No: N00-358745  
 Software agent **verification system for use in distributed computing  
 environment compares original and return software agent finger prints  
 from origin and destination sites based on which verification voice is  
 sent to origin site**

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG ); PHILIPS  
 ELECTRONICS NORTH AMERICA CORP (PHIG )

Inventor: FREEMAN M

Number of Countries: 090 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200038034	A1	20000629	WO 99EP9258	A	19991129	200042 B
AU 200013874	A	20000712	AU 200013874	A	19991129	200048
EP 1057097	A1	20001206	EP 99973499	A	19991129	200064
			WO 99EP9258	A	19991129	
CN 1298499	A	20010606	CN 99805313	A	19991129	200157
KR 2001041169	A	20010515	KR 2000709219	A	20000821	200167
US 6330588	B1	20011211	US 98217413	A	19981221	200204
JP 2002533799	W	20021008	WO 99EP9258	A	19991129	200281
			JP 2000590027	A	19991129	

Priority Applications (No Type Date): US 98217413 A 19981221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 WO 200038034 A1 E 40 G06F-001/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
 CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
 SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200013874 A G06F-001/00 Based on patent WO 200038034

EP 1057097 A1 E G06F-001/00 Based on patent WO 200038034

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
 LI LT LU LV MC MK NL PT RO SE SI

CN 1298499 A G06F-001/00

KR 2001041169 A G06F-009/44

US 6330588 B1 G06F-015/16  
JP 2002533799 W 53 G06F-011/00 Based on patent WO 200038034

Abstract (Basic): WO 200038034 A1

**NOVELTY** - The origin site (102) outputs a **software agent** with an entrusted task and/or with some information to the trusted site (106). The trusted site (104) performs one-way hash function to the received **software agent** and forwards it to destination site (106). The destination site executes and returns the software to trusted site which compares the original and return **software agent** finger prints. Based on comparison, verification notice is sent to origin site (102).

**DETAILED DESCRIPTION** - The origin site (102) launches a **software agent**. A **software agent** is associated with one or more resources and as such, is initially launched by any of such resources or other. The destination site (104) advances the agent through the trusted task. The trusted site (106) verifies the **software agent** and its activities. The trusted agent does operations such as, for example, receiving/forwarding of **software agents**, encrypting/decrypting parts of or entire **software agents**, activity storing, retrieving and comparing of **software agent** finger prints. The trusted resource sends verification notice to origin site (102). The origin, destination and trusted sites (102,104,106) are in communication with each other through **Internet**, **WWW** protocol. The origin and destination sites can be standalone PC in user's home or a node of **LAN** based computing environment or any other localized/closed computing environment. **INDEPENDENT CLAIMS** are also included for the following:

(a) a method implemented of a trusted site of a distributed computing environment;

(b) a **software agent** implemented in a memory of a trusted site

**USE** - Used in distributed computing environment e.g. information intensive computing environment for verifying **software agents** and their activities such as banking tasks and associated account information, e-commerce tasks and associated credit card information and other **transactions** with **trade** secret or **trade** sensitive information.

**ADVANTAGE** - Since the trusted site is non-corruptible, misdirection or redirection of agent, incorporation of virus code or other undesirable functionality in or with the **software agent** from destination site, replacement or other impersonation of the agent, other modification, supplementation or alteration of agent e.g. its tasks and/or information in inappropriate, impermissible or unauthorized manner, and/or deviation from expected implementation of the agent's tasks is prevented, reliably.

**DESCRIPTION OF DRAWING(S)** - The figure shows the distributed computing environment.

Origin, destination and trusted sites (102,104,106)

pp; 40 DwgNo 1/4

Title Terms: SOFTWARE; AGENT; VERIFICATION; SYSTEM; DISTRIBUTE; COMPUTATION ; ENVIRONMENT; COMPARE; ORIGINAL; RETURN; SOFTWARE; AGENT; FINGER; PRINT; ORIGIN; DESTINATION; SITE; BASED; VERIFICATION; VOICE; SEND; ORIGIN; SITE

Derwent Class: T01

International Patent Class (Main): G06F-001/00 ; G06F-009/44 ;

G06F-011/00 ; G06F-015/16

International Patent Class (Additional): G06F-013/00

File Segment: EPI

14/5/50 (Item 40 from file: 350)  
DIALOG(R) File 350:Derwent WPIX

Bode Akintola 22-May-03

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013156648 \*\*Image available\*\*

WPI Acc No: 2000-328520/200028

Related WPI Acc No: 1999-540431; 2000-271691; 2000-317246; 2000-365206;  
2000-365812; 2000-365821; 2000-411438; 2000-422526; 2000-482374;  
2000-490708; 2000-549337; 2000-686761; 2001-283696; 2001-408324;  
2001-432682; 2001-537686; 2002-240188

XRPX Acc No: N00-247301

**Operating system for managing transactions between transaction  
partners, including customers, business partners, agents, and knowledge  
workers, in a multimedia communication center**

Patent Assignee: GENESYS TELECOM LAB INC (GENE-N)

Inventor: BECK C C M; BERKE J M; JOHNSTONE J; KNUFF C D; MITCHELL R M;

POWERS J K; SIDELL M F; JOHNSTONE J A

Number of Countries: 087 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200016203	A1	20000323	WO 99US20387	A	19990902	200028 B
AU 9958105	A	20000403	AU 9958105	A	19990902	200034
US 6108711	A	20000822	US 98151564	A	19980911	200042
BR 9913621	A	20010522	BR 9913621	A	19990902	200132
			WO 99US20387	A	19990902	
EP 1125208	A1	20010822	EP 99945519	A	19990902	200149
			WO 99US20387	A	19990902	
US 6345305	B1	20020205	US 98151564	A	19980911	200211
			US 2000565254	A	20000505	
CN 1323418	A	20011121	CN 99812023	A	19990902	200218
CA 2343288	C	20020611	CA 2343288	A	19990902	200247
			WO 99US20387	A	19990902	
AU 750215	B	20020711	AU 9958105	A	19990902	200257
JP 2002525895	W	20020813	WO 99US20387	A	19990902	200267
			JP 2000570673	A	19990902	

Priority Applications (No Type Date): US 98151564 A 19980911; US 2000565254  
A 20000505

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200016203 A1 E 32 G06F-013/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9958105 A G06F-013/00 Based on patent WO 200016203

US 6108711 A G06F-015/173

BR 9913621 A G06F-013/00 Based on patent WO 200016203

EP 1125208 A1 E G06F-013/00 Based on patent WO 200016203

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

US 6345305 B1 G06F-015/173 Cont of application US 98151564  
Cont of patent US 6108711

CN 1323418 A G06F-013/00

CA 2343288 C E G06F-013/00 Based on patent WO 200016203

AU 750215 B G06F-013/00 Previous Publ. patent AU 9958105

Based on patent WO 200016203

JP 2002525895 W 36 H04M-003/00 Based on patent WO 200016203

Abstract (Basic): WO 200016203 A1

NOVELTY - A workflow layer captures each transaction as a

multimedia file, and prepares and stores a text version of a portion of the **transaction**. The text version is associated with the **transaction**. The workflow layer mines the text versions for knowledge, and uses the extracted knowledge for routing media events between **transaction** partners.

DETAILED DESCRIPTION - A knowledge base stores extracted knowledge from **transactions** and relationships between **transactions**. An internal media layer manages media contact with the agents and knowledge workers. INDEPENDENT CLAIMS are also included for the following:

- (a) a multimedia communication center;
- (b) and a method for managing interactions between **transaction** partners of an enterprise at a multimedia **transaction** center

USE - For managing **transactions** between **transaction** partners, including customers, business partners, agents, and knowledge workers, in a multimedia communication center. Used in the field of telephone communication.

ADVANTAGE - Analyzes, records, and routes multimedia sorts according to enterprise rules in a manner that provides seamless integration between media type and application types. Allows **agents** to respond **intelligently** and efficiently to customer queries and problems. Provides a complete set of seamless customer interaction services that support virtually any planned application and media type. Increases overall efficiency of a communication center and improves customer satisfaction. Builds an ever expanding and more useful knowledge base that continues to refine and improve interactions with customers and business partners.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the basic steps performed by the **network** operating system.

pp; 32 DwgNo 3/4

Title Terms: OPERATE; SYSTEM; MANAGE; **TRANSACTION** ; **TRANSACTION** ; PARTNER ; CUSTOMER; BUSINESS; PARTNER; AGENT; WORK; COMMUNICATE

Derwent Class: T01

International Patent Class (Main): G06F-013/00 ; G06F-015/173 ;

H04M-003/00

International Patent Class (Additional): G06F-009/46 ; H04M-003/51;

H04M-011/00

File Segment: EPI

14/5/51 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013023079 \*\*Image available\*\*

WPI Acc No: 2000-194930/200017

XRPX Acc No: N00-144261

Automatic information retrieval from local or remote server in

Internet involves determining whether update notification should be given to client browsers when updation of object of interest is detected

Patent Assignee: TEKKNOWLEDGE CORP (TEKN-N)

Inventor: CHOW Y; HAYES-ROTH F A; JACOBSTEIN N A; MANLEY J E; MCMAHAN C B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6029175	A	20000222	US 955896	A	19951026	200017 B
			US 96664323	A	19960607	

Priority Applications (No Type Date): US 955896 P 19951026; US 96664323 A 19960607

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6029175 A 77 G06F-017/30 Provisional application US 955896

Abstract (Basic): US 6029175 A

NOVELTY - A list of HTTP-compliant client browsers interested in objects of interest are stored in a memory. When a change in the object of interest is detected then it is determined whether an update notification should be given to client browser. If so, then the notification is transmitted to one of the client browsers.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for automatic information retrieval device.

USE - For retrieving information from a local or remote **server** in a data **network** or **Internet** using a **software agent**.

ADVANTAGE - Provides many new kinds of services over internetworks for distributing software updates automatically to registered users without repetitive action by distributors or customers. **Offers** product update distribution service such that when new product or update is available for distribution, it will be distributed automatically to all customers identified as specified users.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating data **exchange** between browsers and **server** and a flowchart for checking client list.

pp; 77 DwgNo 7,22/46

Title Terms: AUTOMATIC; INFORMATION; RETRIEVAL; LOCAL; REMOTE; SERVE;

DETERMINE; UPDATE; NOTIFICATION; CLIENT; OBJECT; INTEREST; DETECT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/52 (Item 42 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012933364 \*\*Image available\*\*

WPI Acc No: 2000-105211/200009

XRPX Acc No: N00-080838

**Web page downloading time information gathering method for evaluating service offered to user over internet**

Patent Assignee: KEYNOTE SYSTEMS INC (KEYN-N)

Inventor: BARRICK J G; GE G; ZOU T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6006260	A	19991221	US 97868616	A	19970603	200009 B

Priority Applications (No Type Date): US 97868616 A 19970603

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6006260 A 16 G06F-013/38

Abstract (Basic): US 6006260 A

NOVELTY - A browser agent is sent to user machine from remote information source in response to user request to access web page. A modified HTTP GET request containing performance parameter indicative of measured download time interval between sending of HTTP GET request and loading of web page is sent to remote information source and again the time corresponding to downloading of web page is calculated.

DETAILED DESCRIPTION - After downloading browser agent, a HTTP GET request containing information cookie is sent to remote information

source from user machine. The browser **agent** **automatically** measures the time difference between transmission of HTTP GET request and downloading of web page. An INDEPENDENT CLAIM is also included for a system for assembling performance data relating downloading information from computer network.

USE - For evaluating service **offered** to user over internet.

ADVANTAGE - Since the cookie file containing information that identifies user and user's internet service provider, the browser agent provides information without need for user input.

DESCRIPTION OF DRAWING(S) - The figure shows a process running on web server, browser, relay server for timing downloading of web page.

pp; 16 DwgNo 4A/7

Title Terms: WEB; PAGE; TIME; INFORMATION; GATHER; METHOD; EVALUATE;

SERVICE; **OFFER** ; USER

Derwent Class: T01

International Patent Class (Main): **G06F-013/38**

International Patent Class (Additional): **G06F-015/17**

File Segment: EPI

**14/5/53 (Item 43 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012924644 **\*\*Image available\*\***

WPI Acc No: 2000-096480/200008

XRPX Acc No: N00-074505

**Information exchange by intelligent mobile agents in a network utilizing cooperating intelligent agents to perform complex tasks**

Patent Assignee: LOCKHEED MARTIN CORP (LOCK )

Inventor: FREW R E; MENDENHALL H H; WHITEBREAD K R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6009456	A	19991228	US 97903346	A	19970730	200008 B

Priority Applications (No Type Date): US 97903346 A 19970730

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6009456	A	15	G06F-013/00	

Abstract (Basic): US 6009456 A

NOVELTY - A node, from the communications **network** , selects a compression algorithm that is used to create a compressed representation of data (733). A token is then created by attaching a tag that identifies the compression algorithm to the compressed data. The token is then attached to an **intelligent mobile agent** and transmitted to a different node (736). The second node can then decompress (724) the data by using the identity tag attached to it (723).

USE - For transmission of tokens in a **network** .

ADVANTAGE - Provides an improved **exchange** of information between **intelligent agents** using compression to reduce bandwidth.

DESCRIPTION OF DRAWING(S) - The drawing is a simplified flow chart of operation of a dock according to the invention.

Identify compression algorithm (723)

Data decompression (724)

Compress data (733)

Transmit token (736)

pp; 15 DwgNo 7/8

Title Terms: INFORMATION; **EXCHANGE** ; INTELLIGENCE; MOBILE; AGENT; **NETWORK**  
; COOPERATE; INTELLIGENCE; AGENT; PERFORMANCE; COMPLEX; TASK  
Derwent Class: T01  
International Patent Class (Main): **G06F-013/00**  
International Patent Class (Additional): **G06F-015/163**  
File Segment: EPI

**14/5/54 (Item 44 from file: 350)**  
DIALOG(R)File 350:Derwent WPIX  
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012892565 \*\*Image available\*\*  
WPI Acc No: 2000-064400/200006  
XRPX Acc No: N00-050518

**Controlling access to areas in a communications system e.g.  
telecommunications information networking architecture (TINA)**  
Patent Assignee: ALCATEL (COGE ); ALCATEL ALSTHOM CIE GEN ELECTRICITE  
(COGE )

Inventor: MATEO D G; PLATAS J J H; GOMEZ MATEO D; HUELAMO PLATAS J J  
Number of Countries: 028 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 964587	A2	19991215	EP 99401209	A	19990520	200006 B
AU 9935026	A	19991223	AU 9935026	A	19990611	200011
CA 2273721	A1	19991212	CA 2273721	A	19990608	200022
JP 2000099467	A	20000407	JP 99161035	A	19990608	200028

Priority Applications (No Type Date): ES 981247 A 19980612

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 964587	A2	E	7	H04Q-003/00	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2273721	A1	E		H04L-012/22	
JP 2000099467	A		18	G06F-015/00	
AU 9935026	A			H04Q-007/38	

Abstract (Basic): EP 964587 A2

NOVELTY - The user terminals provide information about which area they are connected to via provider **agent software** .

DETAILED DESCRIPTION - The system includes at least one communications **network** which comprises at least one retailer domain (1) which has interaction with at least one connectivity provider domain (3), and several terminals (T) which are capable of opening access sessions or service sessions, or participating in previously opened service sessions. The method involves:

(a) dividing each **network** into access areas (AA) to which terminals are connected, where each access area is represented by data of the access area (AAD) to which each terminal is connected;

(b) opening an access session in at least one terminal;

(c) obtaining from the terminal the data of the access area to which the terminal is connected through a provider **agent (PA) software** component;

(d) supplying the access area data obtained to a user **agent (UA) software** component where a user context associated with the access session is established and which contains information relative to terminal identity and terminal type;

(e) checking the subscription of the terminal, using the user context in a subscription management subsystem (SMS) for opening a



service session or for participating in a previously opened service session; and

(f) admitting or rejecting a request for opening a service session or for participating in a previously opened service session in the terminal according to the result of the checking made in the preceding step.

USE - For e.g. telecommunications information **networking** architecture (TINA) for **Internet** retailing.

ADVANTAGE - Checks to see which **network** the user is connected to so that the retailer can **offer** the appropriate service.

DESCRIPTION OF DRAWING(S) - The drawing shows a representation of the information model related to the access area concept in a communications **network**.

Terminals (T)

Access areas (AA)

Access area data (AAD)

Provider agent (PA)

User agent (UA)

Subscription management subsystem (SMS)

Retailer domain (1)

pp; 7 DwgNo 1/2

Title Terms: CONTROL; ACCESS; AREA; COMMUNICATE; SYSTEM; TELECOMMUNICATION; INFORMATION; ARCHITECTURE

Derwent Class: W01

International Patent Class (Main): G06F-015/00 ; H04L-012/22 ; H04Q-003/00; H04Q-007/38

International Patent Class (Additional): G06F-013/00 ; G06F-017/60 ; H04L-012/16 ; H04L-029/02 ; H04L-029/08

File Segment: EPI

14/5/55 (Item 45 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012789220 \*\*Image available\*\*

WPI Acc No: 1999-595447/199951

XRPX Acc No: N99-439725

Intelligent network service software formation in IN communication network - involves setting customer data in each feature of customized service software for service sponsor, produced based on selected indispensable and selection features, to produce service software for service users

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11259279	A	19990924	JP 9858143	A	19980310	199951 B

Priority Applications (No Type Date): JP 9858143 A 19980310

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11259279	A		9	G06F-009/06	

Abstract (Basic): JP 11259279 A

NOVELTY - The desired indispensable feature and selection feature are selected on a service management screen, after which the selected features are registered for production of a customized service software for service sponsor. Customer data (21) are set in each feature of the customized service software for service sponsor, to produce a service

software for service user. DETAILED DESCRIPTION - The method involves producing a background function block group (11) which is not dependent on an IN service displayed as an icon on a production display screen, such that the background function block group is described in a computer language. The service feature is produced by combining the icons of the background function, and shown as a service feature icon on a service feature production display screen. A service feature group (14) is produced through repetitive production of the service feature. The combination of the service features is performed within the produced service feature group. The indispensable features and the selection features corresponding to the IN service are covered on the IN service production display screen. INDEPENDENT CLAIMS are also included for the following: a recording medium which stores an IN service software formation process; and an IN service software.

USE - Applicable in IN communication **network** .

ADVANTAGE - Simplifies production and modification of IN service, thus shortening IN service processing time. Provides knowledge about the flow of IN service by engaging the IN service in a service production. Appropriate and timely service can be **offered** , thus providing benefits to IN service production person, implementation person and sponsor. DESCRIPTION OF DRAWING(S) - The figure shows the diagram explaining the formation of an IN service software. (11) Background function block group; (14) Service feature group; (21) Customer data.

Dwg.1/8

Title Terms: INTELLIGENCE; **NETWORK** ; SERVICE; SOFTWARE; FORMATION; COMMUNICATE; **NETWORK** ; SET; CUSTOMER; DATA; FEATURE; SERVICE; SOFTWARE; SERVICE; PRODUCE; BASED; SELECT; SELECT; FEATURE; PRODUCE; SERVICE; SOFTWARE; SERVICE; USER

Derwent Class: T01

International Patent Class (Main): **G06F-009/06**

File Segment: EPI

**14/5/56 (Item 46 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012765506 **\*\*Image available\*\***

WPI Acc No: 1999-571634/199948

XRPX Acc No: N99-421266

**ACD with packet data based agent interconnection e.g. for ACD using internet protocols for voice and data exchange**

Patent Assignee: ROCKWELL ELECTRONIC COMMERCE CORP (ROCK-N); ROCKWELL SEMICONDUCTOR SYSTEMS INC (ROCW )

Inventor: HOLLATZ M C; WERVE T P; WILLIAMS L C

Number of Countries: 084 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9945679	A1	19990910	WO 99US3346	A	19990217	199948 B
AU 9932964	A	19990920	AU 9932964	A	19990217	200007
US 6061347	A	20000509	US 9834604	A	19980303	200030
EP 1070409	A1	20010124	EP 99937835	A	19990217	200107
			WO 99US3346	A	19990217	
CN 1298595	A	20010606	CN 99803605	A	19990217	200157
JP 2002506322	W	20020226	WO 99US3346	A	19990217	200219
			JP 2000535122	A	19990217	
AU 745888	B	20020411	AU 9932964	A	19990217	200237

Priority Applications (No Type Date): US 9834604 A 19980303

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9945679 A1 E 29 H04L-012/66  
 Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
 TJ TM TR TT UA UG UZ VN YU ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW  
 AU 9932964 A H04L-012/66 Based on patent WO 9945679  
 US 6061347 A H04L-012/66  
 EP 1070409 A1 E H04L-012/66 Based on patent WO 9945679  
 Designated States (Regional): BE DE FR GB IT NL SE  
 CN 1298595 A H04L-012/66  
 JP 2002506322 W 25 H04L-012/66 Based on patent WO 9945679  
 AU 745888 B H04L-012/66 Previous Publ. patent AU 9932964  
 Based on patent WO 9945679

Abstract (Basic): WO 9945679 A1

NOVELTY - The method involves setting up a dedicated telephone connection through the public switched telephone **network** between the automatic call distributor and agent at the remote location. A voice **internet** protocol communication link is established between the automatic call distributor and agent through the dedicated connection for **exchange** of voice information between the customer and agent. A data link is established between a database application of the host and a database application of the terminal of the agent through the dedicated connection.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for providing a voice path between a customer call received from a public switched telephone **network** at a switch of an automatic call distributor and an **agent** of the **automatic** call distributor at a remote location from the automatic call distributor and also a data path between a terminal of the agent and a host of the automatic call distributor, an apparatus for providing an end to end voice path between an agent at a first remote location and a customer at a second remote location through an automatic call distributor and a public switched telephone **network** and also a data path between a terminal of the agent and a host of the automatic call distributor also through the public switched telephone **network**, an apparatus for providing a voice and data path between an agent at a remote location and an automatic call distributor, the voice path used to service a call from a customer received from the public switched telephone **network** by the automatic call distributor and the data path being used to provide the agent with records of the customer from a database of the automatic call distributor.

USE - For ACD using **internet** protocols for voice and data **exchange**.

ADVANTAGE - Provides improved method of providing voice and data connections between ACDs and remotely located agents.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of one embodiment of an automatic call distribution system using voice **internet** protocols and dedicated agent connection in accordance with an embodiment of the invention.

pp; 29 DwgNo 1/1

Title Terms: PACKET; DATA; BASED; AGENT; INTERCONNECT; VOICE; DATA;

#### EXCHANGE

Derwent Class: W01; W02

International Patent Class (Main): H04L-012/66

International Patent Class (Additional): H04L-012/56 ; H04M-003/523

File Segment: EPI

14/5/57 (Item 47 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012755604 \*\*Image available\*\*  
WPI Acc No: 1999-561721/199947  
XRPX Acc No: N99-415072

**Individualized, interactive customer support providing method for computer program management**

Patent Assignee: BARTH J (BART-I); GOLDBAND S (GOLD-I); OS R V (OSRV-I);  
ALADDIN KNOWLEDGE SYSTEMS LTD (ALAD-N); PREVIEW SOFTWARE (PREV-N)

Inventor: BARTH J; GOLDBAND S; OS R V; VAN OS R  
Number of Countries: 021 Number of Patents: 003

**Patent Family:**

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9946712	A1	19990916	WO 99US5546	A	19990312	199947 B
US 20010018673	A1	20010830	US 9841315	A	19980312	200151
US 6434532	B1	20020813	US 9841315	A	19980312	200255

Priority Applications (No Type Date): US 9841315 A 19980312

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9946712	A1	E	34	G06F-017/60	
Designated States (National): CA JP					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU					
MC NL PT SE					
US 20010018673	A1			G06F-017/60	
US 6434532	B1			G06F-017/60	

Abstract (Basic): WO 9946712 A1

NOVELTY - An agent monitors operation of computer program running on a user machine, by gathering its usage data. The monitored information is communicated to the remote **server** via **WAN**. Based on accumulated usage data, **web** based administration tool is used by **server** and the content affecting operation of the program is identified and transmitted to the agent.

DETAILED DESCRIPTION - The content identified by **web** based administration tool, as affecting operation of computer program is presented in timed relation within user interface space of computer program. The user machine with an agent is also provided with an option to accept or decline customer support. When the content identified by the tool is a non executable content, it is an active content containing at least one hypertext link. The non- executable content can be an advertisement promotional **offer**, a survey or a program usage hint. When the content is an executable content it is one of a bug fix, an agent plug-in replacement agent, module or plug-in for computer program. The computer program and the agent communicate only indirectly through messaging facilities of run-time environment of computer program. An INDEPENDENT CLAIM is also included for individualized, interactive customer support providing system.

USE - For management of computer programs, finds application in marketing, sales, customer registration, technical support, market research, customer surveys, usage monitoring software testing, in-product advertising.

ADVANTAGE - Enables automated **exchange** of information between **software agent** and **server** via **Internet**, by two-way communication.

DESCRIPTION OF DRAWING(S) - The figure shows generalized block diagram of individualized, interactive customer support providing

system.

pp; 34 DwgNo 1/9

Title Terms: INDIVIDUAL; INTERACT; CUSTOMER; SUPPORT; METHOD; COMPUTER;  
PROGRAM; MANAGEMENT

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-009/44 ; G06F-015/16

File Segment: EPI

14/5/58 (Item 48 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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012642579 \*\*Image available\*\*

WPI Acc No: 1999-448684/199938

XRPX Acc No: N99-335170

**Movement agent system used for information collection on e.g. computer network , exchange - has agent with processing unit that calls basic program library and performs process from code described in each agent code**

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11184700	A	19990709	JP 97349017	A	19971218	199938 B

Priority Applications (No Type Date): JP 97349017 A 19971218

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11184700	A		8 G06F-009/44	

Abstract (Basic): JP 11184700 A

NOVELTY - An agent (12) has a processing unit that calls a basic program library and performs a process from the code described in each agent code. The basic program library (13), used for an agent process, is provided to each computer node. The computer nodes which have an agent script unit (11) and a communication unit are mutually connected by a communication circuit. DETAILED DESCRIPTION - Each agent extracts a property and the running state of the **automatic agent** in a certain node as the name of a variable in an agent code. The property and the agent code are transmitted to a following node.

USE - Used for information collection on e.g. computer **network , exchange .**

ADVANTAGE - Reduces the amount of transmission data. Enables providing a flexible process and a flexible moving method to an agent. Prevents excessive increase in the amount of transmission data.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram for explaining the relationship of the agent of a movement agent system and a node.

(11) Agent script unit; (12) agent; (13) Program library.

Dwg.2/10

Title Terms: MOVEMENT; AGENT; SYSTEM; INFORMATION; COLLECT; COMPUTER;

**NETWORK ; EXCHANGE ; AGENT; PROCESS; UNIT; CALL; BASIC; PROGRAM; LIBRARY ; PERFORMANCE; PROCESS; CODE; DESCRIBE; AGENT; CODE**

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/44

International Patent Class (Additional): G06F-013/00 ; G06F-015/16 ;

H04L-012/28

File Segment: EPI

14/5/59 (Item 49 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012543262 \*\*Image available\*\*  
WPI Acc No: 1999-349368/199930  
XRPX Acc No: N99-261329

**Automatic configuration of network links**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )  
Inventor: FAULK R L J; KIMBALL K E; MAGUIRE R M; FAULK R L; MCGUIRE R M  
Number of Countries: 027 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 926863	A2	19990630	EP 98309972	A	19981204	199930 B
JP 11234340	A	19990827	JP 98330724	A	19981120	199945
US 6128729	A	20001003	US 97991943	A	19971216	200050

Priority Applications (No Type Date): US 97991943 A 19971216

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 926863	A2	E	14	H04L-029/06	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
JP 11234340	A		13	H04L-012/56	
US 6128729	A			G06F-013/10	

Abstract (Basic): EP 926863 A2

NOVELTY - An **intelligent network agent** (12) can be embedded in the hardware environment or can be an external software application and a repeater bus (14) is formed by repeaters (16,18,20,22) while each target **network** device has associated ports (24,26,28,30). Multi-segmenting of **network** devices includes assigning bridged links to different segments to maximize connectivity **offered** by the bridges and to prevent looping, setting up bridged links on a bridge to form full connectivity, setting up redundant connections and disabling ports causing loops in the **network**.

DETAILED DESCRIPTION - An independent claim is included for an automatic **network** link configuring apparatus.

USE - Automatic configuring multi-segmented **network** device connections.

DESCRIPTION OF DRAWING(S) - The drawing is a diagram of the embedded **intelligent network agent** for **automatically** configuring **network** links.

**Intelligent network agent** (12)

Repeaters (16,18,20,22)

Ports (24,26,28,30)

pp; 14 DwgNo 1/8

Title Terms: AUTOMATIC; CONFIGURATION; **NETWORK** ; LINK

Derwent Class: W01

International Patent Class (Main): G06F-013/10 ; H04L-012/56 ;

H04L-029/06

International Patent Class (Additional): H04L-029/08

File Segment: EPI

14/5/60 (Item 50 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012386057    \*\*Image available\*\*  
WPI Acc No: 1999-192164/199917  
XRPX Acc No: N99-140739

**Updating software and corresponding user data e.g. for telecommunications network**

Patent Assignee: NORTHERN TELECOM LTD (NELE )  
Inventor: GUILLAUME L; HORNSPERGER M; STRUB G  
Number of Countries: 026    Number of Patents: 002

**Patent Family:**

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 901296	A2	19990310	EP 98201567	A	19980512	199917 B
US 5974429	A	19991026	US 97922945	A	19970903	199952

Priority Applications (No Type Date): US 97922945 A 19970903

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 901296	A2	E	20	H04Q-003/00	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

US 5974429    A    G06F-017/30

Abstract (Basic): EP 901296 A

NOVELTY - The method involves generating an updated **transaction** journal having a set of entries containing user data to be used with the first version of software and a second set of entries containing user data for use with the second version of the software. Corresponding user data are updated on each remote intelligent device by propagating and applying to each device one of the two user data sets.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of operating an intelligent device for use in telecommunications **network**, a telecommunications **network**, and an intelligent device for use in telecommunications **network**

USE - For seamlessly updating user data in **network** of intelligent device with distributed databases including remote **intelligent** devices after **software** update of remote intelligent device.

ADVANTAGE - Nodes of **network** can receive software update and new user data without interruption of call processing on any node. User data are reliably stored.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic representation of the state of the **network** in accordance with the invention.

Dwg.11/14

Title Terms: UPDATE; SOFTWARE; CORRESPOND; USER; DATA; TELECOMMUNICATION;  
**NETWORK**

Derwent Class: W01

International Patent Class (Main): G06F-017/30 ; H04Q-003/00

File Segment: EPI

14/5/61    (Item 51 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012104671    \*\*Image available\*\*  
WPI Acc No: 1998-521583/199844  
XRPX Acc No: N98-407345

**Server program operating on network monitoring system e.g. for system performance, usage trends, security auditing, capacity planning - employs distributed, automated intelligent monitoring agents with embedded sensing technology which is knowledgeable of application protocols, to**

**monitor continuously network environment in real-time**

Patent Assignee: FIRSTSENSE SOFTWARE INC (FIRS-N)  
Inventor: AGARWAL N; MCMENEMY M G; PERRET P

Number of Countries: 082 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9842103	A1	19980924	WO 98US5162	A	19980317	199844 B
AU 9865598	A	19981012	AU 9865598	A	19980317	199907
US 5958010	A	19990928	US 97821698	A	19970320	199947
EP 968589	A1	20000105	EP 98911704	A	19980317	200006
			WO 98US5162	A	19980317	
JP 2001519942	W	20011023	JP 98540696	A	19980317	200202
			WO 98US5162	A	19980317	
AU 748862	B	20020613	AU 9865598	A	19980317	200251

Priority Applications (No Type Date): US 97821698 A 19970320

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9842103 A1 E 25 H04L-012/26

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE  
IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9865598 A H04L-012/26 Based on patent WO 9842103

US 5958010 A G06F-011/30

EP 968589 A1 E H04L-012/26 Based on patent WO 9842103

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE

JP 2001519942 W 35 G06F-011/30 Based on patent WO 9842103

AU 748862 B H04L-012/26 Previous Publ. patent AU 9865598  
Based on patent WO 9842103

Abstract (Basic): WO 9842103 A

The system comprises a client having a communications stack passing data between a **network** and the client. A monitor has an interface to couple into the communications stack and monitors the data are passed between the client and the **network**. A filter module processes the data to detect portions of the data representative of communications associated with the **server** program, and a data memory stores the detected portions of data. The system has an agent to couple to the data memory and processes the detected portions of data to generate information representative of an operation of the **server** program.

A user module receives the information from the agent. The information is processed to determine a characteristic of the **server** program operation. The user module includes a usage detector to process the information to determine a characteristic representative of a volume of use of the **server** program by the client.

ADVANTAGE - Provides monitoring systems which yield business **transaction** level data. Provides less intrusive monitoring system. Characterises resource consumption at business **transaction** level and takes into account system, **network**, **server** and other component activities performed in business **transaction**.

Title Terms: SERVE; PROGRAM; OPERATE; **NETWORK**; MONITOR; SYSTEM; SYSTEM; PERFORMANCE; TREND; SECURE; AUDIT; CAPACITY; PLAN; EMPLOY; DISTRIBUTE; AUTOMATIC; INTELLIGENCE; MONITOR; AGENT; EMBED; SENSE; TECHNOLOGY; APPLY; MONITOR; CONTINUOUS; **NETWORK**; ENVIRONMENT; REAL-TIME

Derwent Class: T01; W01

International Patent Class (Main): G06F-011/30 ; H04L-012/26



International Patent Class (Additional): G06F-013/00 ; G06F-015/16 ;  
G06F-015/177 ; H04L-012/24 ; H04L-029/06 ; H04L-029/14  
File Segment: EPI

14/5/62 (Item 52 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012064456 \*\*Image available\*\*  
WPI Acc No: 1998-481367/199841  
XRPX Acc No: N98-375504

**Method of using intelligent agent to perform financial services on network - involves automatically performs financial functions using downloaded information relating to performed financial transaction to produce output information by local client application**

Patent Assignee: CITIBANK NA (CITI-N)

Inventor: FAN W; FORSTER W H; HU H; LEE W; SCHUTZER D; STOLFO S J

Number of Countries: 083 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9838558	A2	19980903	WO 98US2015	A	19980212	199841 B
AU 9861418	A	19980918	AU 9861418	A	19980212	199908
US 5920848	A	19990706	US 9737069	A	19970212	199933
			US 9810677	A	19980122	
ZA 9801129	A	19990831	ZA 981129	A	19980211	199939
EP 1008078	A2	20000614	EP 98906099	A	19980212	200033
			WO 98US2015	A	19980212	

Priority Applications (No Type Date): US 9810677 A 19980122; US 9737069 P 19970212

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9838558	A2	E	60	G06F-000/00	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9861418 A G06F-019/00 Based on patent WO 9838558

US 5920848 A G06F-017/60 Provisional application US 9737069

ZA 9801129 A 61

EP 1008078 A2 E G06F-017/60 Based on patent WO 9838558

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 9838558 A

The method involves a local client application initiating communication with a **server** and the user accessing a user account on the **server**. The user selects a financial **transaction** and inputs information relating to the selected financial **transaction**. The **server** performs the financial **transaction** and automatically downloads information relating to the performed financial **transaction** to the local client application. The user initiates transfer of the downloaded information relating to the performed financial **transaction** from the local client application to a financial software application. The local client application transfers the downloaded information relating to the performed financial **transaction** to the financial

software application. The local client application automatically performs financial functions using the downloaded information relating to the performed financial **transaction** to produce output information. The output information from is transmitted the financial software application to the local client application. The output information from the local software application is uploaded to the user account on the **server** .

ADVANTAGE - Provides important financial needs such as synthesising, parsing and analysing user's complete financial picture.

Dwg.2/27

Title Terms: METHOD; INTELLIGENCE; AGENT; PERFORMANCE; FINANCIAL; SERVICE; **NETWORK** ; AUTOMATIC; PERFORMANCE; FINANCIAL; FUNCTION; INFORMATION; RELATED; PERFORMANCE; FINANCIAL; **TRANSACTION** ; PRODUCE; OUTPUT; INFORMATION; LOCAL; CLIENT; APPLY

Derwent Class: T01

International Patent Class (Main): **G06F-000/00** ; **G06F-017/60** ;

**G06F-019/00**

File Segment: EPI

14/5/63 (Item 53 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011915785 \*\*Image available\*\*

WPI Acc No: 1998-332695/199829

XRPX Acc No: N98-259713

Network node of network management system - has second portion with processing unit, agent software and management information base, which communicates with network when first portion is in fault condition

Patent Assignee: NCR CORP (NATC )

Inventor: 'SIDEY M J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5761428	A	19980602	US 96675954	A	19960705	199829 B
			US 97968646	A	19971112	

Priority Applications (No Type Date): US 96675954 A 19960705; US 97968646 A 19971112

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5761428 A 10 G06F-013/00 Cont of application US 96675954

Abstract (Basic): US 5761428 A

The node (302) includes a first portion with a first processing unit (318), a first **agent software** and a first management data information base for storing information reflecting the status of the first portion. The second portion includes a second processing unit (308), a second **agent software** and a second management information base for storing information reflecting the status of the first portion.

The information stored in the first MIB is periodically copied into the second MID when the first portion is in normal operational condition. The second portion communicates with the **network** , when the first portion is in a fault condition and unable to communicate with the **network** .

ADVANTAGE - Enables sending **network** management information, reflecting points of failure of node. Provides two separate **network** links thus allowing access to two distinct **networks** with different

protocols or security conditions. Offers network node that is able to communicate with network management station when agents in node are unable to respond to station.

Dwg.3A/3

Title Terms: NETWORK ; NODE; NETWORK ; MANAGEMENT; SYSTEM; SECOND; PORTION; PROCESS; UNIT; AGENT; SOFTWARE; MANAGEMENT; INFORMATION; BASE; COMMUNICATE; NETWORK ; FIRST; PORTION; FAULT; CONDITION  
Index Terms/Additional Words: NETWORK ; MANAGEMENT ; PROTOCOL  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-013/00  
International Patent Class (Additional): G06F-015/177  
File Segment: EPI

14/5/64 (Item 54 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011846718 \*\*Image available\*\*  
WPI Acc No: 1998-263628/199824  
XRPX Acc No: N98-207908

Computer for generating, editing and executing TMN agent test software  
- has internal containment tree with nodes corresponding to managed objects in run time containment tree, code for generating and executing tests for each node

Patent Assignee: HEWLETT-PACKARD CO (HEWP )  
Inventor: SMITH M D; STOECKER P  
Number of Countries: 025 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 843441	A2	19980520	EP 97307943	A	19971008	199824 B
JP 10187483	A	19980721	JP 97289799	A	19971022	199839
US 5850511	A	19981215	US 96740183	A	19961028	199906

Priority Applications (No Type Date): US 96740183 A 19961028

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 843441	A2	E	46	H04L-012/24	
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI					
LT LU LV MC NL PT RO SE SI					
JP 10187483	A		33	G06F-011/22	
US 5850511	A			G06F-011/26	

Abstract (Basic): EP 843441 A

The apparatus for testing a telecommunications management network agent (21) includes one or more computer readable storage media storing computer readable program code. The program code includes code (100.108) for building an internal containment tree (700) which mirrors a run time containment tree (228) of a telecommunications management network agent.

The internal containment tree includes a number of nodes (702, 704) corresponding to managed objects (220, 22) in the run-time containment tree. Code (108) is included for generating tests (110) corresponding to each node of the internal containment tree. Code (116) is also included for executing the tests.

USE - Hierarchical exchange system.

ADVANTAGE - Allows testing of TMN agent prior to development, installation and configuration of manager. Software system. Changes to GDMO model only requires generation of new agent test not recompiling of test execution engine.

Dwg.1/27

Title Terms: COMPUTER; GENERATE; EDIT; EXECUTE; AGENT; TEST; SOFTWARE;  
INTERNAL; CONTAIN; TREE; NODE; CORRESPOND; OBJECT; RUN; TIME; CONTAIN;  
TREE; CODE; GENERATE; EXECUTE; TEST; NODE

Derwent Class: T01; W01

International Patent Class (Main): G06F-011/22 ; G06F-011/26 ;

H04L-012/24

International Patent Class (Additional): G06F-011/28 ; G06F-013/00

File Segment: EPI

14/5/65 (Item 55 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010314187 \*\*Image available\*\*

WPI Acc No: 1995-215445/199528

XRPX Acc No: N95-168923

**Management of communications network e.g. for global multi-service  
network - automates management functions through use of co-operating  
intelligent software agent technology e.g. for maintaining routes  
through network**

Patent Assignee: BRITISH TELECOM PLC (BRTE )

Inventor: BUSUIOC N M; CRABTREE I B; PUROHIT B; YADEGAR J

Number of Countries: 025 Number of Patents: 018

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9515635	A1	19950608	WO 94GB2613	A	19941130	199528	B
AU 9511132	A	19950619	AU 9511132	A	19941130	199540	
EP 732018	A1	19960918	WO 94GB2613	A	19941130	199642	
			EP 95902191	A	19941130		
JP 9505917	W	19970610	WO 94GB2613	A	19941130	199733	
			JP 95515475	A	19941130		
CN 1136873	A	19961127	CN 94194348	A	19941130	199805	
SG 47804	A1	19980417	SG 964451	A	19941130	199827	
NZ 276747	A	19980626	NZ 276747	A	19941130	199831	
			WO 94GB2613	A	19941130		
AU 692810	B	19980618	AU 9511132	A	19941130	199835	
AU 9864761	A	19980702	AU 9511132	A	19941130	199837	
			AU 9864761	A	19980506		
JP 10294770	A	19981104	JP 95515475	A	19941130	199903	
			JP 982802	A	19941130		
AU 701581	B	19990204	AU 9511132	A	19941130	199917	
			AU 9864761	A	19980506		
NZ 330166	A	20000128	NZ 330166	A	19941130	200015	
CA 2318582	A1	19950608	CA 2177488	A	19941130	200061	
			CA 2318582	A	19941130		
US 6226273	B1	20010501	WO 94GB2613	A	19941130	200126	
			US 96652433	A	19961101		
US 20010033551	A1	20011025	WO 94GB2613	A	19941130	200170	
			US 96652433	A	19961101		
			US 2001805049	A	20010314		
CA 2177488	C	20011120	CA 2177488	A	19941130	200176	
			WO 94GB2613	A	19941130		
CA 2318582	C	20020326	CA 2177488	A	19941130	200230	
			CA 2318582	A	19941130		
US 6459683	B2	20021001	WO 94GB2613	A	19941130	200268	
			US 96652433	A	19961101		
			US 2001805049	A	20010314		

Priority Applications (No Type Date): EP 93309544 A 19931130

Bode Akintola 22-May-03

Cited Patents: 01Jnl.Ref; US 642758; WO 9316545

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
WO 9515635	A1	E	37	H04L-012/24	
Designated States (National): AU CA CN JP KR NZ US					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
AU 9511132	A			H04L-012/24	Based on patent WO 9515635
EP 732018	A1	E	1	H04L-012/24	Based on patent WO 9515635
Designated States (Regional): BE CH DE DK ES FR GB IT LI NL SE					
JP 9505917	W		46	G06F-013/00	Based on patent WO 9515635
CN 1136873	A			H04L-012/24	
SG 47804	A1			H04L-012/24	
NZ 276747	A			H04L-012/24	Based on patent WO 9515635
AU 692810	B			H04L-012/24	Previous Publ. patent AU 9511132
Based on patent WO 9515635					
AU 9864761	A			H04M-009/04	Div ex application AU 9511132
JP 10294770	A		19	H04L-029/06	Div ex application JP 95515475
AU 701581	B			H04M-009/04	Div ex application AU 9511132
Previous Publ. patent AU 9864761					
NZ 330166	A			H04L-012/24	
CA 2318582	A1	E		H04L-012/24	Div ex application CA 2177488
US 6226273	B1			H04L-012/16	Based on patent WO 9515635
US 20010033551	A1			H04L-012/16	Div ex application WO 94GB2613
Div ex application US 96652433					
Div ex patent US 6226273					
CA 2177488	C	E		H04L-012/24	Based on patent WO 9515635
CA 2318582	C	E		H04L-012/24	Div ex application CA 2177488
US 6459683	B2			H04L-012/16	Div ex application WO 94GB2613
Div ex application US 96652433					
Div ex patent US 6226273					

Abstract (Basic): WO 9515635 A

The communications **network**, e.g. of global multi-service type, is provided with a management system having distributed control. The management system has an open community of co-operating intelligent **software agents** (5), each having control, or responsibility for managing, one or more nodes of the **network**.

**Software agents** are of several types. Service management agents (SMA, 5), which control **network** nodes, negotiate with customer agents w.r.t. new services, in order to meet constraints of both customer requirements and service provider interests. Should an agent fail, the SMA's (5) will start a **bidding** process for re-allocation of the failed agent responsibilities.

USE/ADVANTAGE - Flexible re-arrangement of complex communication **network** to implement change required in customer services. Overcomes effects of nodal link faults, etc.

Dwg.2/6

Title Terms: MANAGEMENT; COMMUNICATE; **NETWORK**; GLOBE; MULTI; SERVICE;  
**NETWORK**; AUTOMATIC; MANAGEMENT; FUNCTION; THROUGH; CO; OPERATE;  
INTELLIGENCE; SOFTWARE; AGENT; TECHNOLOGY; MAINTAIN; ROUTE; THROUGH;  
**NETWORK**

Index Terms/Additional Words: **GSMN**Man agement of com

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00 ; H04L-012/16 ;  
H04L-012/24 ; H04L-029/06 ; H04M-009/04

International Patent Class (Additional): G06F-015/16 ; H04L-012/26 ;  
H04Q-003/04

File Segment: EPI

5/22/03

Dialog

Set	Items	Description
S1	16224	(INTELLIGENT? OR SOFTWARE? OR AUTOMAT?) (2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	24645	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCHAUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION
S3	176	S1 AND S2
S4	82	S3(20N) (ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CY- BER? OR LAN OR WAN OR SERVER?)
S5	56	S4 NOT PY>2000
S6	56	S5 NOT PD=20000921:20030522
S7	52	RD (unique items)

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File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Apr  
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7/5/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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7073949 INSPEC Abstract Number: C2001-12-1290D-053

**Title: Combinatorial auctions for supply chain formation**

Author(s): Walsh, W.E.; Wellman, M.P.; Ygge, F.

Author Affiliation: Artificial Intelligence Lab., Michigan Univ., Ann Arbor, MI, USA

Conference Title: EC'00. Proceedings of the 2nd ACM Conference on Electronic Commerce p.260-9

Publisher: ACM, New York, NY, USA

Publication Date: 2000 Country of Publication: USA vii+271 pp.

ISBN: 1 58113 272 7 Material Identity Number: XX-2000-02428

U.S. Copyright Clearance Center Code: 1 58113 272 7/2000/0010..\$5.00

Conference Title: Proceedings of ACM Conference on Electronic Commerce (EC-00)

Conference Sponsor: ACM

Conference Date: 17-20 Oct. 2000 Conference Location: Minneapolis, MN, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Economic aspects (E); Theoretical (T); Experimental (X)

Abstract: Supply chain formation presents difficult coordination issues for distributed negotiation protocols. Agents must simultaneously negotiate production relationships at multiple levels, with important interdependencies among inputs and outputs at each level. Combinatorial auctions address this problem by global optimization over expressed offers to engage in compound exchanges. A one-shot combinatorial auction that optimizes the reported value of the bids results in optimal allocations with truthful bids. But autonomous self-interested agents have an incentive to bid strategically in an attempt to gain extra surplus. We investigate a particular combinatorial protocol consisting of a one-shot **auction** and a strategic bidding policy. We experimentally analyze the efficiency and producer surplus obtained in five **networks**, and compare this performance to that of a distributed, progressive **auction** protocol with non-strategic bidding. We find that producers can sometimes gain significantly by bidding strategically. However, when the available surplus is small relative to the consumers' values, the producers' strategic behavior may prevent the supply chain from forming at all, resulting in zero gains for all agents. We examine the robustness of the combinatorial protocol by investigating agent incentives to deviate, identifying quasi-equilibrium behavior for an example network. (19 Refs)

Subfile: C

Descriptors: combinatorial mathematics; distributed processing; electronic commerce; protocols; software agents

Identifiers: combinatorial auctions; supply chain formation; coordination; distributed negotiation protocols; production relationships; global optimization; compound exchanges; combinatorial protocol; one-shot auction; strategic bidding policy; surplus; agent incentives; quasi-equilibrium behavior

Class Codes: C1290D (Systems theory applications in economics and business); C1160 (Combinatorial mathematics); C7120 (Financial computing); C5640 (Protocols)

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7/5/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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6977439 INSPEC Abstract Number: C2001-08-7120-052

**Title: CommercePipe: consumer to business commerce channels on the Internet**

Author(s): Neto, A.; De Lucena, C.J.P.

Author Affiliation: Dept. of Comput. Sci., Pontificia Univ. Catolica do Rio de Janeiro, Brazil

Conference Title: Proceedings of the IASTED International Conference. Software Engineering and Applications p.298-303

Editor(s): Hamza, M.H.

Publisher: IASTED/ACTA Press, Anaheim, CA, USA

Publication Date: 2000 Country of Publication: USA iv+366 pp.

ISBN: 0 88986 306 7 Material Identity Number: XX-2000-02851

Conference Title: Proceedings of 2000 Conference on Software Engineering and Applications

Conference Sponsor: IASTED

Conference Date: 6-9 Nov. 2000 Conference Location: Las Vegas, NV, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Based on the study of different electronic commerce software applications and principally inspired by the research work and software evolution carried out in the Vmarket framework, this article presents the CommercePipe object oriented framework as an alternative for the instantiation of consumer to business virtual markets on the **Internet**. Using **software agents** technology combined with the WAP (Wireless Application Protocol) as a wireless interface to access **Internet** services, the framework proposes a new approach for C2B markets, bringing a new vision of how sellers and buyers can interact to conduct commercial transactions through the Internet. (20 Refs)

Subfile: C

Descriptors: electronic commerce; Internet; software agents

Identifiers: CommercePipe; consumer to business commerce channels; Internet; electronic commerce software applications; Vmarket framework; object oriented framework; software agents; WAP; Wireless Application Protocol; C2B markets; reverse auctions

Class Codes: C7120 (Financial computing); C6150N (Distributed systems software); C7180 (Retailing and distribution computing); C6130E (Data interchange); C7210N (Information networks)

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7/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6957191 INSPEC Abstract Number: C2001-07-7190-003

**Title: An agent service brokering algorithm for winner determination in combinatorial auctions**

Author(s): Easwaran, A.M.; Pitt, J.

Author Affiliation: Intelligent & Interactive Syst., Imperial Coll. of Sci., Technol. & Med., London, UK

Conference Title: ECAI 2000. 14th European Conference on Artificial Intelligence. including Prestigious Applications of Intelligent Systems (PAIS-2000). Proceedings (Frontiers in Artificial Intelligence and Applications Vol.54) p.286-90

Editor(s): Horn, W.

Publisher: IOS Press, Amsterdam, Netherlands

Publication Date: 2000 Country of Publication: Netherlands xvi+778 pp.

ISBN: 1 58603 013 2 Material Identity Number: XX-2000-02007

Conference Title: Proceedings of 14th European Conference on Artificial Intelligence

Conference Date: 20-25 Aug. 2000 Conference Location: Berlin, Germany



Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Deregulation of telecommunications has meant an increase in third-party service provision, personalized service delivery and integrated networks and media. The efficient allocation of services, without human intervention, to satisfy advanced service requirements spanning several **networks** is a crucial task. This can be modeled as a winner determination problem in combinatorial **auctions** where there are multiple services, service providers and winner determination criteria (like cost, bandwidth, delay, etc) but we have shown the problem is NP-complete. The paper describes a new two-stage algorithm for optimal anytime winner determination. In the first stage, a hierarchical task network planner is used to decompose a task into subtasks that can be solved by the available services. In the second stage, a genetic algorithm with heuristics is used to find the optimal combination of service providers to provide the services identified. We present our algorithm used to solve the second stage in detail and the results from various experiments. The results show the GA finds optimal solutions much quicker than a modified depth-first search with pruning. We also show that the genetic algorithm: (a) finds optimal solutions quicker when deal lengths have a random distribution and (b) initial anytime performance is better when deal lengths have an exponential distribution. (10 Refs)

Subfile: C

**Descriptors:** combinatorial mathematics; computational complexity; genetic algorithms; heuristic programming; planning (artificial intelligence); resource allocation; software agents; telecommunication computing; telecommunication services

**Identifiers:** agent service brokering algorithm; winner determination; combinatorial auctions; third-party service provision; personalized service delivery; integrated networks; service allocation; human intervention; advanced service requirements; winner determination problem; multiple services; service providers; winner determination criteria; NP-complete; two-stage algorithm; optimal anytime winner determination; hierarchical task network planner; genetic algorithm; heuristics; optimal combination; GA; modified depth-first search; deal lengths; random distribution; initial anytime performance; exponential distribution; optimal solutions

**Class Codes:** C7190 (Other fields of business and administrative computing); C1160 (Combinatorial mathematics); C4240C (Computational complexity); C1180 (Optimisation techniques); C6170K (Knowledge engineering techniques)

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7/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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6919321 INSPEC Abstract Number: C2001-06-6150N-057

**Title:** Trends in Distributed Systems: Towards a Universal Service Market.  
**Third International IFIP/GI Working Conference, USA 2000. Proceedings (Lecture Notes in Computer Science Vol.1890)**

**Editor(s):** Linnhoff-Popien, C.; Hegering, H.-G

**Publisher:** Springer-Verlag, Berlin, Germany

**Publication Date:** 2000 **Country of Publication:** Germany xi+339 pp.

**ISBN:** 3 540 41024 4 **Material Identity Number:** XX-2000-02616

**Conference Title:** Trends in Distributed Systems: Towards a Universal Service Market

**Conference Sponsor:** Ludwig-Maximilians Univ.; IFIP; German Inf. Soc.; Bavarian Acad. Sci.; et al

**Conference Date:** 12-14 Sept. 2000 **Conference Location:** Munich, Germany

**Language:** English **Document Type:** Conference Proceedings (CP)

Treatment: Practical (P)

Abstract: The following topics were dealt with: distributed systems universal services market; electronic **auctions** and trading; **Internet**-based service markets; quality of service; mobile and distributed services; middleware architectures; service management; mobile agents and applications; and data and telecommunication trends.

Subfile: C

Descriptors: distributed processing; electronic commerce; Internet; mobile computing; quality of service; software agents

Identifiers: distributed systems; universal services market; electronic auctions; electronic trading; Internet-based service markets; quality of service; mobile services; distributed services; middleware architectures; service management; mobile agents; data communication; telecommunication trends

Class Codes: C6150N (Distributed systems software); C5620 (Computer networks and techniques); C7180 (Retailing and distribution computing)

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7/5/5 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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6914714 INSPEC Abstract Number: C2001-06-7120-037

**Title: AATP: Auction Agent Transfer Protocol**

Author(s): Chkaiban, G.; Sonderby, M.

Author Affiliation: Electron. Commerce Inst., Carnegie Mellon Univ., Pittsburgh, PA, USA

Journal: Electronic Markets vol.10, no.2 p.94-101

Publisher: Routledge,

Country of Publication: UK

ISSN: 1019-6781

SICI: 1019-6781( )10:2L.94:AAAT;1-1

Material Identity Number: F273-2001-005

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The paper presents the Auction Agent Transfer Protocol (AATP) as a standard architecture to facilitate the exchange of commodity goods and services directly between buyers and suppliers in the business-to-business e-commerce space. The protocol is implemented by utilizing the automated services of interface, stationary, and mobile **intelligent agents** in a global **networked** environment. Technical features of the well-established **Network** News Transfer Protocol (NNTP) model are also borrowed to enhance functionality of AATP. AATP is presented as a new and emerging technology, based on years of academic and government research. The focus of AATP is to remove the recently surfaced digital intermediaries (i.e. Chemdex, FreeMarkets) from electronic procurement systems, and thereby increase savings for buyers and global reach for suppliers. (9 Refs)

Subfile: C

Descriptors: electronic commerce; electronic data interchange; Internet; protocols

Identifiers: AATP; Auction Agent Transfer Protocol; standard architecture ; commodity goods exchange; business-to-business e-commerce space; automated services; mobile intelligent agents; global networked environment ; Network News Transfer Protocol; NNTP model; government research; digital intermediaries; Chemdex; FreeMarkets; arkets) from electronic procurement systems; buyers; global reach; suppliers

Class Codes: C7120 (Financial computing); C6130E (Data interchange); C5640 (Protocols); C7180 (Retailing and distribution computing); C7210N (Information networks)

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7/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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6914713 INSPEC Abstract Number: C2001-06-7210N-038

**Title: Agents, deep-linking, and framing: on acceptable practices of information acquisition in e-commerce**

Author(s): Wagner, C.; Turban, E.

Author Affiliation: Dept. of Inf. Syst., City Univ of Hong Kong, China

Journal: Electronic Markets vol.10, no.2 p.87-93

Publisher: Routledge,

Country of Publication: UK

ISSN: 1019-6781

SICI: 1019-6781()10:2L:87:ADLF;1-8

Material Identity Number: F273-2001-005

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: A conflict has emerged between Internet information creators and information brokers. Information creators frequently offer their information free of charge to users, recovering the cost to create it through other means, typically advertising. This practice may be undermined by information brokers who harvest information from information creators, and then place it, sometimes out of context, on their own sites, or even more boldly, place it in a different (advertising) context. A combination of three technologies enables this practice. First, intelligent mobile agents search for the information and return their findings (i.e. in form of URLs) to their owner, the information broker. Then, through deep links, the information broker links directly to the relevant information, instead of linking to the information creator's home page. Finally, framing technology lets users view the selected information embedded in a frame provided by the information broker, thus creating the impression that the user never left the information broker's Web site. This practice can be a blessing to the consumers, since information brokers aggregate information such as price comparisons or auction availability. However it may create a business problem for the information creator. We discuss this issue from technical, legal, and economic perspectives and suggest ways in which it might be solved. We predict that several measures will become popular to restrict inappropriate information harvesting, including tighter linkage of information and advertising, stricter user agreements, as well as new charging models that enable levying of small charges for information content. (11 Refs)

Subfile: C

Descriptors: contracts; economics; electronic commerce; information industry; Internet; legislation; mobile computing; software agents

Identifiers: deep-linking; acceptable practices; information acquisition; e-commerce; Internet information creators; information brokers; information creators; advertising; intelligent mobile agents; URLs; deep links; information creator; home page; framing technology; information broker; Web site; price comparisons; auction availability; business problem; economic perspectives; information harvesting; user agreements; charging models; small charges; information content

Class Codes: C7210N (Information networks); C7120 (Financial computing); C6130E (Data interchange); C7180 (Retailing and distribution computing); C6170 (Expert systems and other AI software and techniques); C0230B (Legal aspects of computing); C7290 (Other aspects of information science and documentation)

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7/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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6905382 INSPEC Abstract Number: C2001-05-7120-090

**Title: Robust combinatorial auction protocol against false-name bids**

Author(s): Yokoo, M.; Sakurai, Y.; Matsubara, S.

Author Affiliation: NTT Commun. Sci. Labs., Kyoto, Japan

Conference Title: Proceedings Seventeenth National Conference on Artificial Intelligence (AAAI-2000). Twelfth Innovative Applications of Artificial Intelligence Conference (IAAI-2000) p.110-15

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 2000 Country of Publication: USA xxix+1190 pp.

ISBN: 0 262 51112 6 Material Identity Number: XX-2000-02069

Conference Title: Proceedings of the Seventeenth National Conference on Artificial Intelligence

Conference Sponsor: American Assoc. Artificial Intelligence

Conference Date: 30 July-3 Aug. 2000 Conference Location: Austin, TX, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: Presents a combinatorial **auction** protocol (LDS protocol) that is robust against false-name bids. **Internet auctions** have become an integral part of electronic commerce (EC) and a promising field for applying agent and artificial intelligence technologies. Although the **Internet** provides an excellent infrastructure for combinatorial **auctions**, we must consider the possibility of a new type of cheating, i.e. an agent tries to profit from submitting several bids under fictitious names (false-name bids). If there exists no false-name bid, the generalized Vickrey auction (GVA) satisfies individual rationality, Pareto efficiency, and incentive compatibility. On the other hand, when false-name bids are possible, it is theoretically impossible for a combinatorial auction protocol to simultaneously satisfy these three properties. The leveled division set (LDS) protocol, which is a modification of the GVA, utilizes reservation prices of auctioned goods for making decisions on whether to sell goods in a bundle or separately. The LDS protocol satisfies individual rationality and incentive compatibility, although it is not guaranteed to achieve a Pareto efficient social surplus. Simulation results show that the LDS protocol can achieve a better social surplus than that for a protocol that always sells goods in a bundle. (11 Refs)

Subfile: C

Descriptors: combinatorial mathematics; electronic commerce; Internet; protocols; security of data; software agents

Identifiers: robust combinatorial auction protocol; false-name bids; **Internet auctions**; cheating; generalized Vickrey auction; individual rationality; Pareto efficiency; incentive compatibility; leveled division set protocol; reservation prices; Pareto efficient social surplus

Class Codes: C7120 (Financial computing); C6130E (Data interchange); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques); C1160 (Combinatorial mathematics); C6130S (Data security); C5640 (Protocols)

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7/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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6893917 INSPEC Abstract Number: C2001-05-7120-067

**Title: Negotiation by software agents in electronic marketplace**

Bode Akintola 22-May-03

Author(s): Murugesan, S.  
 Author Affiliation: Dept. of Comput. & Inf. Syst., Univ. of Western  
 Sydney, Campbelltown, NSW, Australia  
 Conference Title: 2000 TENCON Proceedings. Intelligent Systems and  
 Technologies for the New Millennium (Cat. No.00CH37119) Part vol.2 p.  
 286-90 vol.2  
 Publisher: IEEE, Piscataway, NJ, USA  
 Publication Date: 2000 Country of Publication: USA 3  
 vol.(xxv+536+614+527) pp.  
 ISBN: 0 7803 6355 8 Material Identity Number: XX-2000-02637  
 U.S. Copyright Clearance Center Code: 0 7803 6355 8/2000/\$10.00  
 Conference Title: 2000 TENCON Proceedings. Intelligent Systems and  
 Technologies for the New Millennium  
 Conference Sponsor: Texas Instrum.; IEEE Region 10 (Asia Pacific)  
 Conference Date: 24-27 Sept. 2000 Conference Location: Kuala Lumpur,  
 Malaysia  
 Medium: Also available on CD-ROM in PDF format  
 Language: English Document Type: Conference Paper (PA)  
 Treatment: Theoretical (T)  
 Abstract: Negotiation, an important facet of business, is an iterative  
 and complex process. Depending on the nature of business and the type of  
 transaction, negotiation criteria, duration and complexity vary widely. An  
 intelligent software agent can help the consumers and enterprises in  
 business negotiation. It can negotiate with humans or with other software  
 agents to arrive at mutually agreeable terms and conditions of a business  
 transaction. For instance, a buyer agent may negotiate with several seller  
 agents, or take part in bidding in an **online auction**. The **online**  
 automated negotiation has many advantages and overcomes some of the  
 problems and limitations of human negotiation. In this paper, we identify  
 specific demands on and major issues in online negotiation and outline  
 major negotiation agents developed for electronic marketplace. We also  
 highlight a few research issues for further work. (22 Refs)  
 Subfile: C  
 Descriptors: electronic commerce; Internet; multi-agent systems;  
 negotiation support systems; software agents  
 Identifiers: electronic marketplace; intelligent software agent; business  
 negotiation; business transaction; seller agents; **online auction**; buyer  
 agent; bidding; online automated negotiation  
 Class Codes: C7120 (Financial computing); C7102 (Decision support  
 systems); C6170K (Knowledge engineering techniques); C6130E (Data  
 interchange)  
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7/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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6892802 INSPEC Abstract Number: C2001-05-7180-045

**Title: Design principles for long-lived Internet agents**

Author(s): Kauffman, R.J.; March, S.T.; Wood, C.A.

Author Affiliation: Carlson Sch. of Manage., Minnesota Univ.,  
 Minneapolis, MN, USA

Journal: International Journal of Intelligent Systems in Accounting,  
 Finance and Management vol.9, no.4 p.217-36

Publisher: Wiley,

Publication Date: Dec. 2000 Country of Publication: UK

CODEN: IJAMEN ISSN: 1055-615X

SICI: 1055-615X(200012)9:4L:217:DPLL;1-P

Material Identity Number: P932-2001-001

Language: English Document Type: Journal Paper (JP)

Treatment: Bibliography (B); Practical (P)

Abstract: Prior research on **intelligent Internet agents** has failed to address the needs of long-lived data-collecting agents, focusing instead on short-lived transaction agents. Transaction agents typically run for a few seconds and retrieve information for a single transaction. With the staggering growth of electronic commerce, researchers and practitioners will want to design long-lived data-collecting agents that intelligently search for, retrieve, interpret, categorize, and store vast amounts of related information each time that they run. Such agents can run over the course of days rather than seconds and can be used by practitioners for decision support applications or by researchers as part of an empirical research methodology. This paper proposes a framework for agent sophistication, and emphasizes a number of design concepts for long-lived Internet agents, including intelligence, validation, concurrency, recovery, monitoring, and interactivity. These concepts are used in the development of an illustrative tool called Electronic Data Retrieval Lexical Agent (eDRILL), an object-oriented data-collecting agent. eDRILL is designed using the Unified Modeling Language (UML) and is written in Java. It gathers research data from an **online auction**. (56 Refs)

Subfile: C

Descriptors: electronic commerce; information resources; information retrieval; Internet; Java; object-oriented methods; software agents; specification languages

Identifiers: long-lived Internet agents; short-lived transaction agents; electronic commerce; intelligent search; information retrieval; decision support system; agent sophistication; validation; concurrency; system recovery; system monitoring; interactivity; Electronic Data Retrieval Lexical Agent; eDRILL; object-oriented data-collecting agent; Unified Modeling Language; UML; Java; **online auction**

Class Codes: C7180 (Retailing and distribution computing); C7210N (Information networks); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques); C7120 (Financial computing); C7250R (Information retrieval techniques)

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7/5/10 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6873500 INSPEC Abstract Number: C2001-04-7120-076

**Title: An agent oriented business model for e-commerce based on the NYSE specialist system**

Author(s): Griggs, K.

Author Affiliation: CalPoly, San Luis Obispo, CA, USA

Conference Title: Proceedings of the 2000 ACM SIGCPR Conference p. 136-43

Editor(s): Nance, W.

Publisher: ACM, New York, NY, USA

Publication Date: 2000 Country of Publication: USA iv+200 pp.

ISBN: 1 58113 212 X Material Identity Number: XX-2000-00756

U.S. Copyright Clearance Center Code: 1 58113 212 X/2000/04...\$5.00

Conference Title: Proceedings of Computer Personnel Research 2000 Conference

Conference Date: 6-8 April 2000 Conference Location: Chicago, IL, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The rapid development of commerce on the World Wide **Web** has been accompanied by the creation of new business models and customer relationships involving the use of **intelligent software agents**.

**Agents** are characterized by autonomy, perception, and intelligence and have been used primarily for search and data mining activities on the **Web**. A parallel trend in electronic commerce is the development of **auction** markets in contrast to traditional fixed posted price models. **Web** based **auction** markets are structured on the "English **Auction**" model where a reserve price is established and bids are increased until the market is cleared. This paper describes an intelligent agent based architecture for electronic commerce. The proposed architecture implements a continuous double auction modeled on the two hundred-year-old New York Stock Exchange specialist system. The complex functionality of the specialist system is replicated through dedicated agents and knowledge bases that interact with buyer and seller agents. (13 Refs)

Subfile: C

Descriptors: electronic commerce; electronic trading; information resources; Internet; software agents; stock markets

Identifiers: agent oriented business model; e-commerce; NYSE specialist system; World Wide Web; customer relationships; intelligent software agents; data mining; **Web** based **auction** markets; English Auction model; price; continuous double auction; New York Stock Exchange specialist system; knowledge bases; Internet

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks); C6150N (Distributed systems software)

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7/5/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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6858953 INSPEC Abstract Number: B2001-04-6210L-060, C2001-04-7445-026

**Title: Multi-authority virtual network for intelligent transportation systems**

Author(s): Mizunuma, I.; Masaki, I.

Author Affiliation: Ind. Electron. & Syst. Lab., Mitsubishi Electr. Corp., Hyogo, Japan

Conference Title: Proceedings of the IEEE Intelligent Vehicles Symposium 2000 (Cat. No.00TH8511) p.430-5

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA xxv+738 pp.

ISBN: 0 7803 6363 9 Material Identity Number: XX-2000-02530

U.S. Copyright Clearance Center Code: 0 7803 6363 9/2000/\$10.00

Conference Title: Proceedings of IV 2000 Intelligent Vehicles Symposium

Conference Date: 3-5 Oct. 2000 Conference Location: Dearborn, MI, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Dedicated information networks for transportation systems will be integrated with public networks as wired- and wireless-phone networks and Internet. When we realize such an integrated network, a difficulty lies in the fact that the integrated network does not have any single authority that can decide priorities between competing communication requests. To treat multiple authorities, we propose an **auction** scheme to prioritize services in the information **network**. In the scheme, messages that pay higher prices get higher priorities. We also propose to use a technology of a mobile agent to realize the scheme. We show some examples of mobile agents and how they can solve competition between different authorities in the **auction** model. We are now developing an integrated **network**, called IQnet (integrated and qualified **network**), for intelligent transportation systems. The **auction** scheme and the mobile agent technology proposed in this paper will be implemented as portions of the functions of IQnet. (9

Refs)

Subfile: B C

Descriptors: automated highways; information networks; resource allocation; software agents

Identifiers: multiauthority virtual network; intelligent transportation systems; Dedicated information networks; ITS; public networks; telephone network; Internet; integrated network; auction scheme; service prioritization; mobile agent; auction model; IQnet; integrated qualified network; mobile agent technology

Class Codes: B6210L (Computer communications); C7445 (Traffic engineering computing); C7420 (Control engineering computing); C3360B (Road-traffic system control); C5620W (Other computer networks); C7210N (Information networks); C6170 (Expert systems and other AI software and techniques)

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7/5/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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6846549 INSPEC Abstract Number: C2001-03-7120-058

**Title: Agent-based simulation of dynamic online auctions**

Author(s): Mizuta, H.; Steiglitz, K.

Author Affiliation: Res. Lab., IBM Japan Ltd., Kanagawa, Japan

Conference Title: 2000 Winter Simulation Conference Proceedings (Cat. No.00CH37165) Part vol.2 p.1772-7 vol.2

Editor(s): Joines, J.A.; Barton, R.R.; Kang, K.; Fishwick, P.A.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 2 vol.(xl+xxiv+2114) pp.

ISBN: 0 7803 6579 8 Material Identity Number: XX-2001-00031

Conference Title: Proceedings of WSC 2000, Winter Simulation Conference

Conference Date: 10-13 Dec. 2000 Conference Location: Orlando, FL, USA

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The need to understand dynamic behavior in **auctions** is increasing with the popularization of **online auctions**. Applications include designing **auction** mechanisms, bidding strategies, and **server** systems. We describe simulations of a typical **online auction**, where the duration is fixed, and the second-highest price is continuously posted and determines the winner's payment. We modeled agents of exactly two types, idealizations and simplifications of those observed in practice: early bidders, who can bid any time during the auction period, and snipers, who wait till the last moments to bid. This allows us to study the interactions of the two types of bidders during the course of auctions, and the effects of the two strategies on the probability of winning, the final price, and the formation of price consensus in iterated auctions. Results show that: 1) early bidders can win with a lower price on average than snipers, but much less often; 2) the late bidding strategy of snipers is effective; and 3) in iterated auctions, adjustment feedback of motivational parameters can lead to effective price consensus with small fluctuations.

(8 Refs)

Subfile: C

Descriptors: digital simulation; electronic commerce; human factors; software agents

Identifiers: agent based simulation; dynamic **online auctions**; dynamic behavior; auction mechanisms; bidding strategies; server systems; agent modeling; early bidders; snipers; price consensus; iterated auctions; late bidding strategy; adjustment feedback; motivational parameters



Class Codes: C7120 (Financial computing); C7180 (Retailing and distribution computing); C6185 (Simulation techniques); C6170 (Expert systems and other AI software and techniques)  
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7/5/13 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

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6819823 INSPEC Abstract Number: C2001-02-7120-113

**Title: Optimal auction design for agents with hard valuation problems**

Author(s): Parkes, D.C.

Author Affiliation: Dept. of Comput. & Inf. Sci., Pennsylvania Univ., Philadelphia, PA, USA

Conference Title: Agent Mediated Electronic Commerce II. Towards Next-Generation Agent-Based Electronic Commerce Systems (Lecture Notes in Artificial Intelligence Vol.1788) p.206-19

Editor(s): Moukas, A.; Sierra, C.; Ygge, F.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2000 Country of Publication: Germany vii+238 pp.

ISBN: 3 540 67773 9 Material Identity Number: XX-2000-02244

Conference Title: Agent Mediated Electronic Commerce II

Conference Date: July 1999 Conference Location: Stockholm, Sweden

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: As traditional commerce moves **online** more business transactions will be mediated by **software agents**, and the ability of agent-mediated electronic marketplaces to efficiently allocate resources will be highly dependent on the complexity of the decision problems that agents face; determined in part by the structure of the marketplace, resource characteristics, and the nature of agents' local problems. We compare auction performance for agents that have hard local problems, and uncertain values for goods. Perhaps an agent must-solve a hard optimization problem to value a good, or interact with a busy and expensive human expert. Although auction design cannot simplify the valuation problem itself, we show that good auction design can simplify meta-deliberation providing incentives for the right agents to deliberate for the right amount of time. Empirical results for a particular cost-benefit model of deliberation show that an ascending-price auction will often support higher revenue and efficiency than other auction designs. The price provides agents with useful information about the value that other agents hold for the good. (29 Refs)

Subfile: C

Descriptors: cost-benefit analysis; electronic commerce; Internet; resource allocation; software agents

Identifiers: optimal auction design; hard valuation problems; electronic commerce; business transactions; software agents; agent-mediated electronic marketplaces; resource allocation; decision problems; uncertain values; optimization; meta-deliberation; cost-benefit model; Internet

Class Codes: C7120 (Financial computing); C7180 (Retailing and distribution computing); C7210N (Information networks); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques)

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7/5/14 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

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6787746 INSPEC Abstract Number: C2001-01-7120-053

**Title: Commodity trading using an agent-based iterated double auction**

Author(s): Preist, C.

Author Affiliation: Hewlett Packard Lab., UK

Conference Title: Proceedings of the Third International Conference on Autonomous Agents p.131-8

Editor(s): Etzioni, O.; Muller, J.P.; Bradshaw, J.M.

Publisher: ACM, New York, NY, USA

Publication Date: 1999 Country of Publication: USA xiii+442 pp.

ISBN: 1 58113 066 X Material Identity Number: XX-1999-01336

U.S. Copyright Clearance Center Code: 1 58113 066 X/99/05...\$5.00

Conference Title: Proceedings of the Association for Computing Machinery International Conference on Autonomous Agents

Conference Sponsor: ACM

Conference Date: 1-5 May 1999 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** This paper describes a new agent-based market mechanism for commodity trading via the **Internet**. This institution combines the best properties of the continuous double **auction** and the call **auction**, but does not suffer from their disadvantages. The institution consists of a marketplace, and a set of agents representing the participants. The agents enter into negotiation with each other in a series of double auctions, and through this determine the equilibrium price of the marketplace. When the equilibrium price has been found, all trades take place at this price. The paper firstly introduces the concepts of supply and demand, and presents the double auction and call auction market institutions. It discusses the advantages and disadvantages of each. It then presents the agent-based iterated double auction, and discusses security features that can be incorporated in it. It gives one possible implementation of the agent-based iterated double auction, using the PS agents of Preist and van Tol (1998) and demonstrates that it can quickly determine the equilibrium price of the market. Finally, it discusses related and further work. (20 Refs)

Subfile: C

Descriptors: commodity trading; financial data processing; Internet; security of data; software agents

Identifiers: commodity trading; agent-based iterated double auction; agent-based market mechanism; Internet; agent negotiation; equilibrium price; supply and demand; data security; PS agents

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks); C6150N (Distributed systems software)

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7/5/15 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

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6755056 INSPEC Abstract Number: C2000-12-7210N-093

**Title: A Web infrastructure for people and agent interaction and collaboration**

Author(s): Cabri, G.; Leonardi, L.; Zambonelli, F.

Author Affiliation: Dipt. di Sci. dell'Ingegneria, Univ. di Modena e Reggio Emilia, Italy

Conference Title: Proceedings IEEE 9th International Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises (WET ICE 2000) p.266-71

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2000 Country of Publication: USA xiv+292 pp.

ISBN: 0 7695 0798 0 Material Identity Number: XX-2000-02088

Bode Akintola 22-May-03

U.S. Copyright Clearance Center Code: 0 7695 0798 0/2000/\$10.00  
Conference Title: Proceedings of WET ICE 2000. 9th IEEE International Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises

Conference Sponsor: IEEE Comput. Soc.; Comput. Soc. Tech. Committee on Data Eng.; NIST; Concurrent Eng. Res. Center (CERC), West Virginia Univ.; Linkoping Univ

Conference Date: 14-16 June 2000 Conference Location: Gaithersburg, MD, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Internet pervasive services call for flexible supports to enable a wide degree of collaboration. On the one hand, many people are connected to the Internet and surf the Web not only to retrieve information, but also to carry out several kinds of different tasks via **online** services. On the other hand, the **Internet** is likely soon to be populated by **software agents** that will act on behalf of users, and that are "intelligent" enough to achieve better results without boring their users. In this paper, we present a Web-based modular architecture that permits interaction and collaboration among people and agents, leading to a more fruitful exploitation of the capabilities offered by the **Internet**. A negotiation application based on **auctions** is used to show the advantages of the proposed architecture. (17 Refs)

Subfile: C

Descriptors: groupware; information resources; interactive systems; Internet; negotiation support systems; online front-ends; software agents

Identifiers: World Wide Web infrastructure; agent interaction; collaboration; Internet pervasive services; flexible support; online services; software agents; Web-based modular architecture; negotiation application; auctions

Class Codes: C7210N (Information networks); C6170 (Expert systems and other AI software and techniques); C6130G (Groupware); C7102 (Decision support systems); C7250N (Search engines)

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7/5/16 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

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6747862 INSPEC Abstract Number: C2000-12-7120-036

Title: **Personalized bidding agents for online auctions**

Author(s): Junling Hu; Reeves, D.; Hock-Shan Wong

Author Affiliation: Sch. of Bus., Mississippi Univ., MS, USA

Conference Title: Proceedings of the Fifth International Conference on the Practical Application of Intelligent Agent and Multi Agent Technology p.167-84

Publisher: Practical Application Company, Blackpool, UK

Publication Date: 2000 Country of Publication: UK 400 pp.

ISBN: 1 902426 07 X Material Identity Number: XX-2000-00749

Conference Title: Proceedings of PAAM 2000

Conference Date: 10-12 April 2000 Conference Location: Manchester, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We have designed configurable bidding agents to represent users in one specific **online auction**: the Michigan **AuctionBot**. The agents can be configured, started, and monitored from a lWeb interface. We implemented three types of bidding agents, distinguished by their different ways of using information in the **auctions**. A competitive agent does not use any information in the auction market. It chooses its actions based on its individual optimization problem. A price modeling agent uses price

history as its only information. A bidder-modeling agent uses other agents' bidding histories to predict their next bids and infer the next clearing price. Our experiments suggest that an agent's performance in the auctions depends not only on its bidding strategy, but also on the bidding strategies of others. (19 Refs)

Subfile: C

Descriptors: costing; electronic commerce; information resources; Internet; software agents

Identifiers: personalized bidding agents; **online auctions**; configurable bidding agents; Michigan AuctionBot; Web interface; competitive agent; optimization; price modeling agent; bidder-modeling agent; price; electronic commerce

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks)

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7/5/17 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

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6715879 INSPEC Abstract Number: B2000-11-6210L-049, C2000-11-7120-008

**Title: Secure agent-mediated online auction framework**

Author(s): Xun Yi; Siew, D.

Author Affiliation: Sch. of Electr. & Electron. Eng., Nanyang Technol. Inst., Singapore

Conference Title: 2000 Digest of Technical Papers. International Conference on Consumer Electronics. Nineteenth in the Series (Cat. No.00CH37102) p.114-15

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 414 pp.

ISBN: 0 7803 6301 9 Material Identity Number: XX-2000-01563

U.S. Copyright Clearance Center Code: 0 7803 6301 9/2000/\$10.00

Conference Title: 2000 Digest of Technical Papers. International Conference on Consumer Electronics. Nineteenth in the Series

Conference Sponsor: Consumer Electron. Soc

Conference Date: 13-15 June 2000 Conference Location: Los Angeles, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: This paper intends to apply **software agent** technology along with cryptographic technology to automate and secure **online auction** and presents a new secure agent-mediated **online auction framework**. (3 Refs)

Subfile: B C

Descriptors: cryptography; electronic commerce; Internet; online operation; software agents

Identifiers: secure agent-mediated **online auction**; software agent technology; cryptographic technology; automated **online auction**; Internet retail commerce

Class Codes: B6210L (Computer communications); B6120D (Cryptography); C7120 (Financial computing); C6130S (Data security); C6170K (Knowledge engineering techniques); C5620W (Other computer networks); C6150J (Operating systems)

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7/5/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

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6690526 INSPEC Abstract Number: C2000-10-6170-008

**Title: Applications of Aglet technology**

Author(s): Martins, R.M.; Chaves, M.R.; Pirmez, L.; Pirmez, L.; Rust, L.F.

Author Affiliation: Univ. Federal do Rio de Janeiro, Brazil

Conference Title: 5th International Computer Science Conference ICSC'99.  
Proceedings (Lecture Notes in Computer Science Vol. 1749) p.399-408

Editor(s): Hui, L.C.-K.; Lee, D.L.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1999 Country of Publication: Germany xx+518 pp.

ISBN: 3 540 66903 5 Material Identity Number: XX-1999-03571

Conference Title: Proceedings of ICSC'99: 5th International Computer Science Conference

Conference Date: 13-15 Dec. 1999 Conference Location: Hong Kong, China

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The **Internet** has evolved from an information space to a market space with thousands of electronic storefronts, **auctions** and other commercial services. This market space is not without problem. A main problem is the difficulty of finding relevant offers. We present two possible solutions to this problem: Bon Marche and Logistics Agents which were developed with IBM's Aglet Workbench-a particular implementation of mobile agents. This paper also surveys the agent technology and discusses the different agent building packages available on the market. Finally, it concludes that the future of local interaction, reduced network loading, server flexibility and application autonomy which are supported by mobile agent technology all help to provide a level agility above distributed problem solving. (5 Refs)

Subfile: C

Descriptors: software agents

Identifiers: Aglet technology; Internet; agent technology; local interaction; reduced network loading; server flexibility; distributed problem solving; mobile agents

Class Codes: C6170 (Expert systems and other AI software and techniques)

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7/5/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

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6670452 INSPEC Abstract Number: C2000-09-7210N-056

**Title: Agent sophistication: design aspects for data-collecting agents**

Author(s): Kauffman, R.J.; March, S.T.; Wood, C.A.

Author Affiliation: Carlson Sch. of Manage., Minnesota Univ., Minneapolis, MN, USA

Conference Title: Proceedings of the Ninth Annual Workshop on Information Technologies and Systems. WITS'99 p.234-9

Editor(s): Sarkar, S.; Narasimhan, S.

Publisher: Georgia Inst. Technol, Atlanta, GA, USA

Publication Date: 1999 Country of Publication: USA 259 pp.

Material Identity Number: XX-1999-03573

Conference Title: Proceedings of WITS'99: 9th Workshop on Information Technologies and Systems

Conference Date: 11-12 Dec. 1999 Conference Location: Charlotte, NC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Research on **intelligent Internet agents** has focused on transaction agents that run for a few seconds and retrieve information for

a single transaction. Design issues for longer-lived agents have been ignored. With more electronic transactions, and therefore more data available on the WWW, researchers will want to design data-collecting agents that run for long periods and collect data for empirical research or for decision-making. Agent sophistication characterizes a number of design concepts needed for data-collecting intelligent agents. These include artificial intelligence, validation, concurrency, recovery, monitoring, and interactivity. These concepts are illustrated in the development of an object-oriented data-collecting agent called OO AGENT that gathers buyer behavior data from rare coin auctions. OO AGENT is specified using the Unified Modeling Language (UML) and written in Java. (17 Refs)

Subfile: C

Descriptors: data acquisition; formal verification; information resources ; Internet; Java; monitoring; object-oriented programming; simulation languages; software agents

Identifiers: agent sophistication; data collecting agents; **intelligent Internet agents** ; WWW; long-lived agents; empirical research; decision making; artificial intelligence; validation; concurrency; recovery; monitoring; interactivity; object-oriented agent; OO AGENT; buyer behavior data; rare coin auctions; Unified Modeling Language; UML; Java

Class Codes: C7210N (Information networks); C6170 (Expert systems and other AI software and techniques)

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7/5/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

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6663016 INSPEC Abstract Number: C2000-09-6130G-011

**Title: Allocative auctions: an application context for CSCW and intelligent agents**

Author(s): Meng, H.; Yuk Chi Li; Ka Kit Lau; Yun Wing Lee

Author Affiliation: Lab. of Human-Comput. Commun., Chinese Univ. of Hong Kong, Shatin, China

Conference Title: Proceedings of the 1st Asia-Pacific Conference on IAT. Intelligent Agent Technology Systems, Methodologies, and Tools p.457-66

Editor(s): Liu, J.; Zhong, N.

Publisher: World Scientific, Singapore

Publication Date: 1999 Country of Publication: Singapore xiii+505 pp.

ISBN: 981 02 4054 6 Material Identity Number: XX-1999-02419

Conference Title: Proceedings of the 1st Asia-Pacific Conference on Intelligent Agent Technology

Conference Date: 14-17 Dec. 1999 Conference Location: Hong Kong

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: This paper describes an **online auction** system (OAS), designed for the allocation of M items among N parties. We strive to distribute one item per party while maximizing the overall preference of all participants. The specific application context is in the distribution of student projects among student teams. OAS is intended to support group decision-making among the teams, in distributing their preferences among projects. The system offers several advantages as a solution to our allocation problem. First, preference points are used to elicit preference levels of student teams for the projects. This scheme offers greater flexibility and granularity than conventional rank ordering. Second, users participate actively in bidding, using partial knowledge of the other teams' preferences. This should help ameliorate situations in which most preferences coalesce into a few popular projects. Third, the final allocation is chosen to maximize the average normalized score-a metric which reflects the overall preference level. Finally, OAS is a groupware

which facilitates CSCW for time-synchronous but possibly geographically-distributed usage. We have enhanced the system such that a user can freely choose to bid in person, or delegate the task to an intelligent agent by specifying the bidding strategy through a prescribed set of parameters. (8 Refs)

Subfile: C

Descriptors: distributed processing; educational administrative data processing; group decision support systems; online operation; resource allocation; software agents

Identifiers: allocative auctions; CSCW; intelligent agents; **online auction** system; OAS; group decision-making; preference points; student teams; preference levels; average normalized score maximization; groupware; geographically-distributed usage

Class Codes: C6130G (Groupware); C7110 (Educational administration); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques); C7102 (Decision support systems)

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7/5/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

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6581349 INSPEC Abstract Number: C2000-06-7120-077

**Title: A secure agent-based framework for Internet trading in mobile computing environments**

Author(s): Xun Yi; Chee Kheong Siew; Xiao Feng Wang; Okamoto, E.

Author Affiliation: Sch. of Electr. & Electron. Eng., Nanyang Technol. Univ., Singapore

Journal: Distributed and Parallel Databases vol.8, no.1 p.85-117

Publisher: Kluwer Academic Publishers,

Publication Date: Jan. 2000 Country of Publication: Netherlands

CODEN: DPADEH ISSN: 0926-8782

SICI: 0926-8782(200001)8:1L:85:SABF;1-Q

Material Identity Number: P900-2000-001

U.S. Copyright Clearance Center Code: 0926-8782/2000/\$9.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Most of the current Internet trading frameworks, in particular their negotiation and payment phases, are intended for customers frequently connected to the Internet during an entire transaction. This requirement cannot be easily met in the high communication cost and/or low bandwidth settings, typically found in mobile computing environments. Based on the **software agent** paradigm, a new secure agent-based framework for **Internet** trading in mobile computing environments is proposed in this paper. The framework is composed of two new protocols. One is the agent-based auction-like negotiation protocol, another is the agent-based payment protocol. Both of them are dedicated to solve the trade problems of Internet trading in mobile computing environments and ensured to be safe by cryptographic technologies. The combination of the two secure protocols constitutes an integrative solution for Internet trading in mobile computing environments. (37 Refs)

Subfile: C

Descriptors: cryptography; electronic commerce; Internet; mobile computing; software agents

Identifiers: secure agent-based framework; Internet trading; mobile computing environments; software agent paradigm; agent-based auction-like negotiation protocol; agent-based payment protocol; cryptographic technologies

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C6150N (Distributed systems software);

C6130S (Data security); C5620W (Other computer networks)  
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7/5/22 (Item 22 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6579074 INSPEC Abstract Number: C2000-06-7120-067

**Title: Approaches to winner determination in combinatorial auctions**

Author(s): Sandholm, T.

Author Affiliation: Dept. of Comput. Sci., Washington Univ., St. Louis,  
MO, USA

Journal: Decision Support Systems Conference Title: Decis. Support Syst.  
(Netherlands) vol.28, no.1-2 p.165-76

Publisher: Elsevier,

Publication Date: March 2000 Country of Publication: Netherlands

CODEN: DSSYDK ISSN: 0167-9236

SICI: 0167-9236(200003)28:1/2L.165:AWDC;1-C

Material Identity Number: F773-2000-004

U.S. Copyright Clearance Center Code: 0167-9236/2000/\$20.00

Conference Title: First International Conference on Information and  
Computation Economies (ICE '98)

Conference Date: 25-28 Sept. 1998 Conference Location: Charleston, SC,  
USA

Document Number: S0167-9236(99)00066-4

Language: English Document Type: Conference Paper (PA); Journal Paper  
(JP)

Treatment: Practical (P)

Abstract: Combinatorial auctions, i.e., auctions where bidders can bid on combinations of items, tend to lead to more efficient allocations than traditional auctions in multi-item auctions where the agents' valuations of the items are not additive. However, determining the winners so as to maximize revenue is NP-complete. First, existing approaches for tackling this problem are reviewed: exhaustive enumeration, dynamic programming, approximation algorithms, and restricting the allowable combinations. Then, we overview our new search algorithm for optimal anytime winner determination. By capitalizing on the fact that the space of bids is necessarily sparsely populated in practice, it enlarges the envelope of input sizes for which combinatorial **auctions** are computationally feasible. Finally, we discuss eMediator, our electronic commerce **server** that implements several techniques for automatically facilitating commerce, including an **auction** house with generalized combinatorial **auctions**. To our knowledge, our implementation is the first **Internet auction** to support combinatorial **auctions**, bidding via graphically drawn price-quantity graphs, and by mobile agents. (26 Refs)

Subfile: C

Descriptors: dynamic programming; electronic commerce; Internet; resource allocation; search problems; software agents

Identifiers: winner determination; combinatorial auctions; resource allocation; exhaustive enumeration; dynamic programming; approximation algorithms; search algorithm; optimal anytime winner determination; eMediator; electronic commerce server; **Internet auction**; graphs; mobile agents

Class Codes: C7120 (Financial computing); C1180 (Optimisation techniques); C6150N (Distributed systems software); C7210N (Information networks); C6170 (Expert systems and other AI software and techniques)

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7/5/23 (Item 23 from file: 2)  
DIALOG(R) File 2:INSPEC  
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6579063 INSPEC Abstract Number: C2000-06-6170-013

**Title: Efficient mechanisms for the supply of services in multi-agent environments**

Author(s): Vilkan, N.; Jennings, N.R.  
Author Affiliation: Dept. of Econ., Bristol Univ., UK  
Journal: Decision Support Systems Conference Title: Decis. Support Syst.  
(Netherlands) vol.28, no.1-2 p.5-19  
Publisher: Elsevier,  
Publication Date: March 2000 Country of Publication: Netherlands  
CODEN: DSSYDK ISSN: 0167-9236  
SICI: 0167-9236(200003)28:1/2L.5:EMSS;1-W  
Material Identity Number: F773-2000-004  
U.S. Copyright Clearance Center Code: 0167-9236/2000/\$20.00  
Conference Title: First International Conference on Information and  
Computation Economies (ICE '98)  
Conference Date: 25-28 Sept. 1998 Conference Location: Charleston, SC,  
USA

Document Number: S0167-9236(99)00071-8

Language: English Document Type: Conference Paper (PA); Journal Paper  
(JP)

Treatment: Practical (P)

Abstract: Auctions provide an efficient way of resolving one-to-many negotiations. This is particularly true for automated agents where delays and long communications carry negative externalities. A properly designed auction, tailored to the specific needs of the relevant multi-agent system, can significantly improve its performance. In this paper, we focus on the specific problem of service allocation among autonomous, automated agents, within the context of the ADEPT project, which concerns the BT (British Telecom) business process of providing a quote for designing a **network** for a customer. The main contributions of this paper are threefold: first, we show how an English **auction** can be modified for services, which are multi-dimensional private value objects. Second, we show how, under certain conditions, auctions can be arranged by the service-providing agents, in the cases where the service-seeking agents fail to do so. We consider the incentives of all participants, and show how such an arrangement can be in their best interest. Finally, by examining our results for what is, essentially, an application of game theory and mechanism design to an existing application, we draw some general conclusions on how such concepts can be operationalized in automated agents. (21 Refs)

Subfile: C

Descriptors: game theory; multi-agent systems; negotiation support systems; resource allocation; telecommunication computing; telecommunication network planning

Identifiers: service supply mechanisms; multi-agent environments; auctions; one-to-many negotiations; intelligent autonomous automated agents; delays; long communications; performance; service allocation; ADEPT project; British Telecom; business process; quotes; network design; multi-dimensional private value objects; service-providing agents; service-seeking agents; incentives; game theory; mechanism design; operationalization

Class Codes: C6170 (Expert systems and other AI software and techniques); C1140E (Game theory); C7102 (Decision support systems); C7410F (Communications computing); C7185 (Administration of other service industries); C1230 (Artificial intelligence)

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7/5/24 (Item 24 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6561752 INSPEC Abstract Number: C2000-05-7120-058  
**Title: Nomad: mobile agent system for an Internet -based auction house**  
Author(s): Sandholm, T.; Huai, Q.  
Author Affiliation: Washington Univ., St. Louis, MO, USA  
Journal: IEEE Internet Computing vol.4, no.2 p.80-6  
Publisher: IEEE,  
Publication Date: March-April 2000 Country of Publication: USA  
CODEN: IICOFX ISSN: 1089-7801  
SICI: 1089-7801(200003/04)4:2L:80:NMAS;1-R  
Material Identity Number: F277-2000-002  
U.S. Copyright Clearance Center Code: 1089-7801/2000/\$10.00  
Language: English Document Type: Journal Paper (JP)  
Treatment: Practical (P)  
Abstract: The paper discusses Nomad, a mobile agent system integrated with eAuctionHouse, a next-generation **Internet auction server**. With the Nomad system, mobile agents travel to the eAuctionHouse site and participate in **auctions** on the user's behalf. Users can create agents using Java or can automatically generate agents from Nomad's template agent library. (11 Refs)  
Subfile: C  
Descriptors: distributed programming; electronic commerce; information resources; Internet; Java; software agents; software libraries  
Identifiers: Nomad; mobile agent system; **Internet -based auction house**; eAuctionHouse; **Internet auction server**; Java; automatic agent generation; template agent library; electronic commerce  
Class Codes: C7120 (Financial computing); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks); C6110J (Object-oriented programming)  
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7/5/25 (Item 25 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6390690 INSPEC Abstract Number: C1999-12-7120-025  
**Title: Agent-mediated integrative negotiation for retail electronic commerce**  
Author(s): Guttman, R.H.; Maes, P.  
Author Affiliation: Media Lab., MIT, Cambridge, MA, USA  
Conference Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98. Selected Papers p.70-90  
Editor(s): Noriega, P.; Sierra, C.  
Publisher: Springer-Verlag, Berlin, Germany  
Publication Date: 1999 Country of Publication: Germany vii+206 pp.  
ISBN: 3 540 65955 2 Material Identity Number: XX-1999-01900  
Conference Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98  
Conference Date: 10 May 1998 Conference Location: Minneapolis, MN, USA  
Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)  
Abstract: **Software agents** help **automate** a variety of tasks including those involved in buying and selling products over the **Internet**. Although shopping agents provide convenience for consumers and yield more efficient markets, today's first-generation shopping agents are limited to

comparing merchant offerings only on price instead of their full range of value. As such, they do a disservice to both consumers and retailers by hiding important merchant value-added services from consumer consideration. Likewise, the increasingly popular **online auctions** pit sellers against buyers in distributive negotiation tug-of-wars over price. This paper analyzes these approaches from economic, behavioral, and software agent perspectives then proposes integrative negotiation as a more suitable approach to retail electronic commerce. Finally, we identify promising techniques (e.g., multi-attribute utility theory, distributed constraint satisfaction, and conjoint analysis) for implementing agent-mediated integrative negotiation. (48 Refs)

Subfile: C

Descriptors: electronic commerce; Internet; negotiation support systems; retail data processing; software agents

Identifiers: agent-mediated integrative negotiation; retail electronic commerce; software agents; buying; selling; Internet; shopping agents; consumers; value-added services; **online auctions**; economics; integrative negotiation; multi-attribute utility theory; distributed constraint satisfaction; conjoint analysis

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks)

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7/5/26 (Item 26 from file: 2)

DIALOG(R)File 2:INSPEC

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6390687 INSPEC Abstract Number: C1999-12-7120-023

**Title: Accounting for cognitive costs in on - line auction design**

Author(s): Parkes, D.C.; Ungar, L.H.; Foster, D.P.

Author Affiliation: Dept. of Comput. & Inf. Sci., Pennsylvania Univ., Philadelphia, PA, USA

Conference Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98. Selected Papers p.25-40

Editor(s): Noriega, P.; Sierra, C.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1999 Country of Publication: Germany vii+206 pp.

ISBN: 3 540 65955 2 Material Identity Number: XX-1999-01900

Conference Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98

Conference Date: 10 May 1998 Conference Location: Minneapolis, MN, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Many auction mechanisms, including first and second price ascending and sealed bid **auctions**, have been proposed and analyzed in the economics literature. We compare the usefulness of different mechanisms for **on - line auctions**, focusing on the cognitive costs placed on users (e.g. the cost of determining the value of a good), the possibilities for agent mediation, and the trust properties of the **auction**. Different **auction** formats prove to be attractive for agent mediated **on - line auctions** than for traditional off-line **auctions**. For example, second price sealed bid **auctions** are attractive in traditional **auctions** because they avoid the communication cost of multiple bids in first price ascending auctions, and the "gaming" required to estimate the second highest bid in first price sealed bid auctions. However, when bidding agents are cheap, communication costs cease to be important, and a progressive auction mechanism is preferred over a closed bid auction mechanism, since users with semi-autonomous agents can avoid the cognitive

cost of placing an accurate value on a good. As another example, when an **on - line auction** is being conducted by an untrusted **auctioneer** (e.g., the **auctioneer** is selling its own items), rational participants will build bidding agents that transform second price auctions into first price auctions. (23 Refs)

Subfile: C

Descriptors: electronic commerce; software agents

Identifiers: cognitive costs; **on - line auction** design; sealed bid auctions; first price ascending auctions; second price ascending auctions; economics; agent mediation; trust properties; gaming; communication cost; progressive auction mechanism; semi-autonomous agents; bidding agents

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques)

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7/5/27 (Item 27 from file: 2)

DIALOG(R)File 2:INSPEC

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6390685 INSPEC Abstract Number: C1999-12-7120-022

**Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98. Selected Papers**

Editor(s): Noriega, P.; Sierra, C.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1999 Country of Publication: Germany vii+206 pp.

ISBN: 3 540 65955 2 Material Identity Number: XX-1999-01900

Conference Title: Agent Mediated Electronic Commerce. First International Workshop on Agent Mediated Electronic Trading. AMET-98

Conference Date: 10 May 1998 Conference Location: Minneapolis, MN, USA

Language: English Document Type: Conference Proceedings (CP)

Abstract: The following topics were dealt with: building electronic marketplaces with the ZEUS agent toolkit; accounting for cognitive costs in **online auction** design; SICS MarketSpace (an agent-based market infrastructure); sequencing of contract types for anytime task reallocation; agent-mediated integrative negotiation for retail electronic commerce; a multi-agent system for coordinating international shipping; bid evaluation and selection in the MAGNET automated contracting system; evolutionary computing and negotiating agents; bidding strategies for trading agents in auction-based tournaments; a pi -calculus model of a Spanish fish market; and information integration for electronic commerce.

Subfile: C

Descriptors: electronic commerce; electronic trading; negotiation support systems; software agents

Identifiers: agent-mediated electronic commerce; agent-mediated electronic trading; electronic marketplaces; ZEUS agent toolkit; cognitive costs; **online auction** design; SICS MarketSpace; agent-based market infrastructure; contract type sequencing; anytime task reallocation; integrative negotiation; retail electronic commerce; multi-agent system; international shipping coordination; bid evaluation; bid selection; MAGNET automated contracting system; evolutionary computing; negotiating agents; bidding strategies; trading agents; auction-based tournaments; pi -calculus model; Spanish fish market; information integration

Class Codes: C7120 (Financial computing); C6170 (Expert systems and other AI software and techniques); C7102 (Decision support systems)

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7/5/28 (Item 28 from file: 2)

DIALOG(R)File 2:INSPEC

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6385069 INSPEC Abstract Number: C1999-12-7120-005

**Title:** Multiple-issue auction and market algorithms for the World Wide Web

**Author(s):** Teich, J.; Wallenius, H.; Wallenius, J.

**Author Affiliation:** Dept. of Manage., New Mexico State Univ., Las Cruces, NM, USA

**Journal:** Decision Support Systems vol.26, no.1 p.49-66

**Publisher:** Elsevier,

**Publication Date:** July 1999 **Country of Publication:** Netherlands

**CODEN:** DSSYDK **ISSN:** 0167-9236

**SICI:** 0167-9236(199907)26:1L:49:MIAM;1-M

**Material Identity Number:** F773-1999-009

**U.S. Copyright Clearance Center Code:** 0167-9236/99/\$20.00

**Document Number:** S0167-9236(99)00016-0

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Practical (P)

**Abstract:** The Internet is quickly changing the way business-to-consumer and business-to-business commerce is conducted in the world. The Electronic Revolution has also spawned a trend of price wars and, in some instances, chaos, because of the zero-sum nature of the electronic channel. The technology has created an opportunity to get beyond the lose-lose nature of single issue price wars by determining sellers' and buyers' preferences across multiple issues and encouraging negotiations, thereby creating possible joint gains for all parties. We develop simple multiple-issue algorithms and heuristics that could be used in electronic auctions and electronic markets, to match businesses to businesses and consumers based on dovetailing underlying interests and preferences. We provide arguments that such dovetailed matches should help stabilize markets and make them more efficient. (82 Refs)

**Subfile:** C

**Descriptors:** commerce; decision support systems; financial data processing; Internet; software agents

**Identifiers:** multiple-issue auction; market algorithms; World Wide Web; Internet; business-to-business commerce; business-to-consumer commerce; Electronic Revolution; price wars; zero-sum nature; electronic channel; lose-lose nature; single issue price wars; simple multiple-issue algorithms; heuristics; electronic auctions; electronic markets; dovetailed matches

**Class Codes:** C7120 (Financial computing); C7210N (Information networks); C7102 (Decision support systems); C6170 (Expert systems and other AI software and techniques)

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7/5/29 (Item 29 from file: 2)

DIALOG(R) File 2:INSPEC

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6278366 INSPEC Abstract Number: C1999-08-7210N-005

**Title:** Online auctions

**Author(s):** Huhns, M.N.; Vidal, J.M.

**Author Affiliation:** South Carolina Univ., Columbia, SC, USA

**Journal:** IEEE Internet Computing vol.3, no.3 p.103-5

**Publisher:** IEEE,

**Publication Date:** May-June 1999 **Country of Publication:** USA

**CODEN:** IICOFX **ISSN:** 1089-7801

**SICI:** 1089-7801(199905/06)3:3L:103:OA;1-0

**Material Identity Number:** F277-1999-003

**U.S. Copyright Clearance Center Code:** 1089-7801/99/\$10.00

**Language:** English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: **Auctions** on the **Internet** can involve not only consumers, but also businesses. They can form dynamically and enable the exchange of goods much as stock exchanges manage the buying and selling of securities. But because auctions have a wide scope and a short lifetime, the opportunistic behavior needed for successful interaction requires agents to both participate in and manage **auctions**. The article focuses on the use of **software agents** in such **Internet** based **auctions**. (4 Refs)

Subfile: C

Descriptors: electronic commerce; information retrieval; Internet; retail data processing; software agents

Identifiers: **online auctions**; goods exchange; opportunistic behavior; successful interaction; software agents; **Internet** based **auctions**

Class Codes: C7210N (Information networks); C7120 (Financial computing); C7180 (Retailing and distribution computing); C7250R (Information retrieval techniques); C6170 (Expert systems and other AI software and techniques)

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7/5/30 (Item 30 from file: 2)

DIALOG(R) File 2:INSPEC

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6097001 INSPEC Abstract Number: C9901-7210N-019

**Title: A secure auction -like negotiation protocol for agent-based Internet trading**

Author(s): Xun Yi; Okamoto, E.; Xiao Feng Wang; Kwok Yan Lam; Hsu, D.F..

Author Affiliation: Sch. of Inf. Sci., JAIST, Japan

Conference Title: Proceedings Seventeenth IEEE Symposium on Reliable Distributed Systems (Cat. No.98CB36281) p.197-203

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998 Country of Publication: USA xiv+494 pp.

ISBN: 0 8186 9218 9 Material Identity Number: XX98-03079

U.S. Copyright Clearance Center Code: 0 8186 9218 9/98/\$10.00

Conference Title: Proceedings Seventeenth IEEE Symposium on Reliable Distributed Systems

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process.; Purdue Univ.; Ohio State Univ

Conference Date: 20-23 Oct. 1998 Conference Location: West Lafayette, IN, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We propose a secure **auction** -like negotiation protocol for agent based **Internet** trading, which not only retains the agent's mobility and flexibility, but also takes secure measures to prevent attacks from malicious hosts during the negotiation process. The particular features of the proposed protocol are: (1) negotiation for agent based trading is performed through a novel pattern of electronic auction; (2) negotiation results between two hosts are ensured to be valid with their signatures; (3) malicious actions can be detected and the breeder can be dug out by the help of sociological factors; (4) information gathering and negotiation processes are combined together while few communications are needed. (10 Refs)

Subfile: C

Descriptors: computer network management; cooperative systems; electronic commerce; Internet; protocols; security of data; software agents

Identifiers: secure auction-like negotiation protocol; agent based Internet trading; secure measures; malicious hosts; negotiation process; electronic auction; negotiation results; malicious actions; breeder;

sociological factors; information gathering; negotiation processes  
Class Codes: C7210N (Information networks); C7120 (Financial computing);  
C6170 (Expert systems and other AI software and techniques); C0310D (Computer installation management); C6130S (Data security); C5640 (Protocols); C6150N (Distributed systems software)  
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7/5/31 (Item 31 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6095923 INSPEC Abstract Number: C9901-7180-003

**Title: Cooperative vs. competitive multi-agent negotiations in retail electronic commerce**

Author(s): Guttman, R.H.; Maes, P.

Author Affiliation: Media Lab., MIT, Cambridge, MA, USA

Conference Title: Cooperative Information Agents II. Learning, Mobility and Electronic Commerce for Information Discovery on the Internet. Second International Workshop, CIA'98. Proceedings p.135-47

Editor(s): Klusch, M.; Weiss, G.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1998 Country of Publication: Germany ix+308 pp.

ISBN: 3 540 64676 0 Material Identity Number: XX98-01825

Conference Title: Cooperative Information Agents II Learning, Mobility and Electronic Commerce for Information Discovery on the Internet. Second International Workshop, CIA'98. Proceedings

Conference Date: 4-7 July 1998 Conference Location: Paris, France

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: A key lesson learned from economic and game theory research is that negotiation protocols have substantial, rippling effects on the overall nature of the system, **online auctions** are increasingly popular negotiation protocols for **software agents** (and humans) to compete on the prices of goods and services. The paper takes a critical look at these competitive protocols in retail markets from economic, game theoretic, and business perspectives. The analysis suggests that **online auction** protocols are, in fact, less efficient and more hostile than would be expected (or desired) in retail markets. Furthermore, they identify the importance of customer satisfaction and propose more cooperative multi-agent decision analysis tools (e.g., multi-attribute utility theory) and negotiation protocols (e.g., distributed constraint satisfaction) as promising techniques to support it. (33 Refs)

Subfile: C

Descriptors: business data processing; cooperative systems; electronic commerce; game theory; negotiation support systems; retail data processing; software agents

Identifiers: competitive multi-agent negotiations; cooperative multi-agent negotiations; retail electronic commerce; economic theory; game theory; negotiation protocols; software agents; goods prices; service prices; competitive protocols; business perspective; **online auction** protocols; customer satisfaction; cooperative multi-agent decision analysis tools; multi-attribute utility theory; distributed constraint satisfaction

Class Codes: C7180 (Retailing and distribution computing); C7102 (Decision support systems); C1140E (Game theory); C6170 (Expert systems and other AI software and techniques)

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7/5/32 (Item 32 from file: 2)  
DIALOG(R)File 2:INSPEC

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6095676 INSPEC Abstract Number: C9901-7170-004

**Title:** **The Michigan Internet AuctionBot : a configurable auction server for human and software agents**

**Author(s):** Wurman, P.R.; Wellman, M.P.; Walsh, W.E.

**Author Affiliation:** Artificial Intelligence Lab., Michigan Univ., Ann Arbor, MI, USA

**Conference Title:** Proceedings of the Second International Conference on Autonomous Agents p.301-8

**Editor(s):** Sycara, K.P.; Wooldridge, M.

**Publisher:** ACM, New York, NY, USA

**Publication Date:** 1998 **Country of Publication:** USA xi+478 pp.

**ISBN:** 0 89791 983 1 **Material Identity Number:** XX98-01367

**U.S. Copyright Clearance Center Code:** 0 89791 983 1/98/5...\$5.00

**Conference Title:** Proceedings of 2nd International Conference on Autonomous Agents

**Conference Sponsor:** ACM

**Conference Date:** 9-13 May 1998 **Conference Location:** Minneapolis, MN, USA

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P)

**Abstract:** Market mechanisms, such as **auctions**, will likely represent a common interaction medium for agents on the **Internet**. The Michigan **Internet AuctionBot** is a flexible, scalable, and robust **auction server** that supports both **software** and human **agents**. The **server** manages many simultaneous **auctions** by separating the interface from the core **auction** procedures. This design provides a responsive interface and tolerates system and **network** disruptions, but necessitates careful timekeeping procedures to ensure temporal accuracy. The **AuctionBot** has been used extensively in classroom exercises and is available to the general **Internet** population. Its flexible specification of **auctions** in terms of orthogonal parameters makes it a useful device for agent researchers exploring the design space of auction mechanisms. (20 Refs)

**Subfile:** C

**Descriptors:** electronic commerce; Internet; marketing data processing; multi-agent systems; user interfaces

**Identifiers:** Michigan **Internet AuctionBot**; configurable **auction server**; software agents; market mechanisms; agent interaction; human agents; user interface; system disruptions; network disruptions; timekeeping; temporal accuracy

**Class Codes:** C7170 (Marketing computing); C7120 (Financial computing); C7210N (Information networks); C6170 (Expert systems and other AI software and techniques)

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7/5/33 (Item 33 from file: 2)

DIALOG(R)File 2:INSPEC

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5861659

**Title:** **Equity auction seeks better prices**

**Author(s):** Epstein, C.

**Journal:** Wall Street & Technology vol.16, no.2 p.58, 61

**Publisher:** Miller Freeman,

**Publication Date:** Feb. 1998 **Country of Publication:** USA

**CODEN:** WSTEE5 **ISSN:** 1060-989X

**SICI:** 1060-989X(199802)16:2L:58:EASB;1-S

**Material Identity Number:** P708-98003



Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Some electronic trading systems try to correct a deficiency or make an improvement in one part of the trading process. Very few ever try to do more. But the new Financial **Auction Network** (FAN) is intent on making changes that lie at the heart of trading traditions. The end result, say some who have seen the system, could introduce some of the biggest changes ever in electronic equity trading. FAN is a flexible Internet-based system, running on Windows PCs, which allows price improvement by exposing retail orders to a crowd of traders on the system. Participants include retail broker/dealers, buy-side institutions, OTC market makers, and even exchange specialists who want to comply with the SEC's new order handling rules on maximum order exposure. . (0 Refs)

Subfile: D

Descriptors: electronic trading; Internet; software agents; stock markets

Identifiers: electronic trading systems; Financial **Auction Network** ; electronic equity trading; Internet-based system; Windows PCs; price improvement; retail orders; retail brokers; retail dealers; buy-side institutions; OTC market makers; exchange specialists; maximum order exposure

Class Codes: D2050F (Financial markets); D5020 (Computer networks and intercomputer communications); D2080 (Information services and database systems)

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7/5/34 (Item 34 from file: 2)

DIALOG(R)File 2:INSPEC

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5620173 INSPEC Abstract Number: C9708-7102-014

Title: **Automated negotiations: a survey of the state of the art**

Author(s): Beam, C.; Segev, A.

Author Affiliation: Center for Inf. Technol. & Management, California Univ., Berkeley, CA, USA

Journal: Wirtschaftsinformatik vol.39, no.3 p.263-8

Publisher: Friedr. Vieweg & Sohn Verlagsgesellschaft,

Publication Date: June 1997 Country of Publication: Germany

CODEN: WIINE9 ISSN: 0937-6429

SICI: 0937-6429(199706)39:3L.263:ANSS;1-P

Material Identity Number: N814-97003

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: This paper provides a definition of automated negotiation within electronic commerce. It outlines two barriers to automated negotiation in open market spaces, the ontology issue and the strategy problem. State of the art overviews are given of automated negotiation, specifically negotiation support systems, **intelligent agents**, the **auction** mechanism, and **online** market spaces. Both academic research and currently functional systems are covered, and several World Wide **Web** addresses are given for readers who wish to investigate further on their own. (30 Refs)

Subfile: C

Descriptors: business data processing; group decision support systems; marketing data processing; negotiation support systems; software agents

Identifiers: automated negotiations; state of the art; survey; electronic commerce; open market spaces; ontology issue; strategy problem; negotiation support systems; intelligent agents; auction mechanism; online market spaces; academic research; World Wide Web

Class Codes: C7102 (Decision support systems); C7170 (Marketing computing); C6170 (Expert systems); C7120 (Financial computing)

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7/5/35 (Item 35 from file: 2)

DIALOG(R)File 2:INSPEC

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5620170 INSPEC Abstract Number: C9708-7160-027

**Title: Electronic markets for process coordination in production networks**

Author(s): Zelewski, S.

Author Affiliation: Inst. fur Produktionswirtschaft, Leipzig Univ., Germany

Journal: Wirtschaftsinformatik vol.39, no.3 p.231-43

Publisher: Friedr. Vieweg & Sohn Verlagsgesellschaft,

Publication Date: June 1997 Country of Publication: Germany

CODEN: WIINE9 ISSN: 0937-6429

SICI: 0937-6429(199706)39:3L.231:EMPC;1-B

Material Identity Number: N814-97003

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Production networks attain increasing regard, e.g., as flexible manufacturing systems, supplier networks, as an aspect of global manufacturing, and also as virtual enterprises. The paper considers how electronic markets are applicable to the coordination of production processes in such **networks**. For this purpose, a particular type of multi-agent system is considered, namely contract net systems. **Auction** mechanisms, which allow a market-like design of process coordination, are especially discussed. A Petri net based model of such a flexible manufacturing system is implemented, using the Vickrey auction. Specific difficulties and perspectives of further development are pointed out. (33 Refs)

Subfile: C

Descriptors: computer integrated manufacturing; cooperative systems; flexible manufacturing systems; marketing data processing; Petri nets; software agents

Identifiers: electronic markets; production process coordination; production networks; flexible manufacturing systems; supplier networks; global manufacturing; virtual enterprises; multi-agent system; contract net systems; auction mechanisms; Petri net; Vickrey auction

Class Codes: C7160 (Manufacturing and industrial administration); C7480 (Production engineering computing); C6170 (Expert systems); C7170 (Marketing computing)

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7/5/36 (Item 36 from file: 2)

DIALOG(R)File 2:INSPEC

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5533620 INSPEC Abstract Number: C9705-7210L-012

**Title: Market-based negotiation for digital library services**

Author(s): Mullen, T.; Wellman, M.P.

Author Affiliation: Artificial Intelligence Lab., Michigan Univ., Ann Arbor, MI, USA

Conference Title: Proceedings of the Second USENIX Workshop on Electronic Commerce p.259-69

Publisher: USENIX Assoc, Berkeley, CA, USA

Publication Date: 1996 Country of Publication: USA vi+314 pp.

Material Identity Number: XX96-03462

Conference Title: Proceedings of 2nd USENIX Workshop on Electronic Commerce

Conference Sponsor: USENIX Assoc.; Univ. California Berkley  
Conference Date: 18-21 Nov. 1996      Conference Location: Oakland, CA, USA  
Language: English      Document Type: Conference Paper (PA)  
Treatment: Applications (A); Practical (P)

Abstract: The University of Michigan Digital Library is a large-scale confederation of **software agents**, providing library content and services to users and each other within a distributed **network** environment. Allocation of resources and activities to the various agents is determined through a market-based negotiation process, where agents tender offers to buy or sell services, basic resources, and other information goods for specified prices. Generalized auction modules resolve these offers into deals among agents. Viewing each agent as an information consumer or entrepreneur, the digital library as a whole constitutes a virtual economy of information goods and services. (18 Refs)

Subfile: C

Descriptors: library automation; software agents

Identifiers: market-based negotiation; igital library services;  
large-scale confederation; software agents; library content and services;  
distributed network environment; market-based negotiation process;  
generalized auction modules; information consumer; entrepreneur; virtual economy; information goods

Class Codes: C7210L (Library automation); C6170 (Expert systems)

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7/5/37      (Item 37 from file: 2)

DIALOG(R)File    2:INSPEC

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5347281      INSPEC Abstract Number: B9609-6210L-192, C9609-6170-011

**Title: Intelligent agents in virtual enterprises**

Author(s): Fischer, K.; Muller, J.P.; Heimig, I.; Scheer, A.-W.

Author Affiliation: German AI Res. Centre, DFKI GmbH, Saarbrücken, Germany

Conference Title: PAAM 96. Proceedings of the First International Conference on the Practical Application of Intelligent Agents and Multi-Agent Technology    p.205-23

Publisher: Practical Application Company, Blackpool, UK

Publication Date: 1996    Country of Publication: UK    933 pp.

Material Identity Number: XX96-00843

Conference Title: Proceedings of First International Conference on Practical Application of Intelligent Agents and Multi-Agent Technology

Conference Date: 22-24 April 1996      Conference Location: London, UK

Language: English      Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Decreasing innovation cycles, changing market situations as well as growing specialisation in individual market segments demand new ways of economic thinking, increasingly forcing enterprises into cooperations, sometimes even with direct competitors. Presently discussed and designated as the corporate and cooperation model of the future is the so called virtual enterprise. We advocate the use of intelligent agents as a useful metaphor and as a software engineering methodology for the design and the operation of virtual enterprises. We focus on how agents can support the cooperative process of setting up virtual enterprises through the **Internet** by performing tasks such as presentation, information retrieval and extraction, and the participation in **auctions** in electronic markets. The paper does not describe completed research; it rather offers a perspective of the high potential of agent based technology for one of tomorrow's key industrial areas by presenting the main objectives of the new research project AVE (Agents in Virtual Enterprises). (32 Refs)

Subfile: B C

Descriptors: cooperative systems; information retrieval; Internet;  
software agents

Identifiers: intelligent agents; virtual enterprises; innovation cycles;  
market situations; individual market segments; economic thinking; direct  
competitors; cooperation model; virtual enterprise; software engineering  
methodology; cooperative process; Internet; information retrieval;

electronic markets; agent based technology; Agents in Virtual Enterprises

Class Codes: B6210L (Computer communications); C6170 (Expert systems);  
C5620W (Other computer networks); C7250R (Information retrieval techniques)

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7/5/38 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01628993 ORDER NO: AAD98-21452

**SEMANTIC-BASED CONCURRENCY CONTROL PROTOCOL AND DISTRIBUTED SOFTWARE AGENT  
FOR REAL-TIME DATABASE SYSTEMS**

Author: PENG, CHING-SHAN

Degree: PH.D.

Year: 1998

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, IRVINE (0030)

Chair: KWEI-JAY LIN

Source: VOLUME 59/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 301. 127 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

Real-Time transactions have both logical and temporal consistency constraints. In addition to maintain the database integrity and consistency as in conventional DBMS's, a real-time database system (RTDBS) must be able to handle timing requirements for transactions and for data objects. As a result, the transaction scheduling policy and concurrency control algorithm in such systems play crucial roles on their performance. In this dissertation, we propose a semantic-based concurrency control approach which can be used to improve the performance, especially the external consistency requirement, of an RTDBS. It employs simple, flexible and powerful enabling techniques that can improve the desired system performance for different RTDBS applications without incurring unacceptable operational overheads. In particular, we study the impact on two mission-critical systems, namely air traffic control systems and radar warning receiver systems.

We also study a **software agent** model to integrate RTDBS with distributed computing. A mobile agent carries out specific execution code on client's or **server**'s behalf. It can enhance the system efficiency if appropriate scheduling algorithm is employed, which is the key to comply with the temporal constraints of real-time transactions so that better or guaranteed quality of service can be achieved. We study different scheduling paradigms on both centralized and distributed environments. In addition, we investigate the implementation issues of a real-time **Web**-based **auction** prototype system.

7/5/39 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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03307965 INSIDE CONFERENCE ITEM ID: CN034974731

**Personalized Bidding Agents for Online Auctions**

Hu, J.; Reeve, D.; Wong, H. S.

CONFERENCE: Practical application of intelligent agents and multi-agents-  
International conference; 5th

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PRACTICAL APPLICATION OF  
INTELLIGENT AGENTS AND MULTI-AGENTS, 2000; 5TH P: 167-184

Practical Application Company, 2000

ISBN: 190242607X

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: Practical Application Company

CONFERENCE LOCATION: Manchester

CONFERENCE DATE: Apr 2000

BRITISH LIBRARY ITEM LOCATION: 6844.954620

NOTE:

Also known as PAAM 2000

DESCRIPTORS: intelligent agents; multi-agents; PAAM

**7/5/40 (Item 1 from file: 99)**

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2003 The HW Wilson Co. All rts. reserv.

1997981 H.W. WILSON RECORD NUMBER: BAST98065002

**An API for Internet auctions**

O'Malley, Kevin; Kelly, Terence

Dr. Dobb's Journal v. 23 no9 (Sept. 1998) p. 70+

DOCUMENT TYPE: Feature Article ISSN: 1044-789X LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: The writers discuss the Michigan **Internet AuctionBot**, a freely available **auction** service that supports **software** and human **agents**. Developed by the University of Michigan Artificial Intelligence Laboratory, the design is a client-**server** protocol that is easy to implement for client developers on any platform and in any language. It has been used for more than 2 years to perform auction experiments and to sell goods.

DESCRIPTORS: Automated negotiations; **Internet auctions**; Application programming interfaces;

**7/5/41 (Item 2 from file: 99)**

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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1848614 H.W. WILSON RECORD NUMBER: BAST99017029

**Automated negotiation: the best terms for all concerned**

Sandholm, Tuomas;

Communications of the ACM v. 42 no3 (Mar. '99) p. 84-5

DOCUMENT TYPE: Feature Article ISSN: 0001-0782 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Part of a special section on agents in electronic commerce. Automated negotiation that optimizes contract responsibilities and benefits for all contracting parties is examined. The writer developed a marginal cost-based technique for automated task reallocation negotiation that helps reallocate a range of items such as financial instruments and hours of electricity. An **auction server** implementing a centrally mediated variant was created. Contracts are usually binding in automated negotiation systems.

DESCRIPTORS: Auctions; Electronic commerce; Intelligent agents (Computer programs);

7/5/42 (Item 1 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00560563 00IY02-105

**The new bidding war**

Wasserman, Elizabeth

Industry Standard, The , February 14, 2000 , v3 n5 p63, 1 Page(s)

ISSN: 1098-9196

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that the Department of Justice's (DOJ) antitrust division has launched an informal investigation into auction site, eBay and its dispute with the auction-listing aggregators, Bidder's Edge of Burlington, MA and AuctionWatch.com of San Bruno, CA. Says that the DOJ interviewed the aggregators to obtain information about eBay's efforts to block access to software agents that create direct links for search sites into another site's content. Explains that the **software agents** are alternatively called 'comparison shopping bots' or 'crawlers.' Reports that last year, eBay blocked the **AuctionWatch** bot from its **servers** after negotiations for a licensing agreement collapsed. Notes that eBay has licensing agreements with two **AuctionWatch** rivals to list its **auction** goods. Includes one photo. (MEM)

Descriptors: **Auctions** ; Antitrust Legislation; **Online** Searching;  
**Intelligent Agents** ; Federal Government; Government Regulation;  
Search Engines

7/5/43 (Item 2 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00560117 00SO02-027

**Streamline your shopping -- Let online bots search for the best deals on items you need**

Powell, Jennifer

Smart Computing in Plain English , February 1, 2000 , v11 n2 p88-90, 3

Page(s)

ISSN: 1093-4170

Languages: English

Document Type: Buyer and Vendor Guide

Geographic Location: United States

Provides a buyers' guide to shopping bots available **online** . Discusses four of the more popular shopping Bots and two **auction** bots. Shopping bots discussed include eBoodle; a plugin for the **Web** browser, it fills in forms for the user in addition to performing price comparison searches; Jango/Excite Product Finder, which uses award-winning intelligent agent software, uses presupplied templates, and at times provides shipping costs as well; mySimon, which has categories and subcategories to select products and offers shopping guides and a newsletter; and priceWonders.com, which offers the largest list of merchants to choose from and links to consumer reviews of products. Auction Bots discussed include: AuctionRover.com, which offers services to sellers (kit) and buyers (save searches, monitor auctions); and AuctionWatch.com, which offers universal searching across

multiple auctions. Includes three screen displays. (bjp)  
Descriptors: **Intelligent Agents ; Electronic Shopping; Auctions ;  
Web Sites**

**7/5/44 (Item 1 from file: 256)**  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00124149 DOCUMENT TYPE: Review

**PRODUCT NAMES: Internet Shopping (840432)**

**TITLE: Working the Web Bazaar**  
**AUTHOR: Furger, Roberta**  
**SOURCE: PC World, v18 n5 p135(8) May 2000**  
**ISSN: 0737-8939**  
**HOME PAGE: http://www.pcworld.com**

**RECORD TYPE: Review**  
**REVIEW TYPE: Product Analysis**  
**GRADE: Product Analysis, No Rating**

For shoppers looking for bargains, there is a new wave of online shopping sites that offer dynamic pricing. These types of Web merchants can be categorized three ways. There are the name-your-price sites, such as Priceline.com, that let shoppers state the price they are willing to pay for a product or a service, then wait to see if participating businesses will accept their offer. Reverse auction sites, like NexTag.com and BuyersEdge.com, use a combination of the price-matching services of name-your-price sites with shopping bots, which are **software agents** that search the **Web** for bargains. Group-buying sites, such as Accompany.com, C-Tribe.com and Mercata.com, promise buyers that the price of a product will drop as the number of purchasers of that item increases. Shopping these sites can be complicated because each has different rules; often there are hidden catches in pricing, ordering, and service policies.

**COMPANY NAME: Vendor Independent (999999)**  
**SPECIAL FEATURE: Tables Screen Layouts**  
**DESCRIPTORS: IBM PC & Compatibles; Internet Marketing; Internet Shopping; Retailers**  
**REVISION DATE: 20000830**

**7/5/45 (Item 2 from file: 256)**  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00121299 DOCUMENT TYPE: Review

**PRODUCT NAMES: Acses (784036); Personallogic (784044); Shopfind (784052); mySimon (755141); Tete-a-Tete (784061)**

**TITLE: AI and the Net: Shopping Bots**  
**AUTHOR: Kroening, Mary**  
**SOURCE: PC AI, p41(3) Nov/Dec 1999**  
**ISSN: 0894-0711**  
**HOME PAGE: http://www.pcai.com/pcai**

**RECORD TYPE: Review**

REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating .

Acse **www .evenbetter.com**, AOL's Personalogic, Yahoo!'s Shopfind, mySimon's mySimon, **AuctionBot** , MIT's Tete-a-Tete, and Market Maker are shopping bots that work better than a search engine to find specific products on the Web. Acse is one of the best bots for finding books, music, and videos, and Personalogic has a series of decision guides based on a broad range of features. The site provides guides for what city to live in, what type of pet to get, what kind of cruise to take, which computer to buy, and so on. Shopfind is basically a search engine for Yahoo! stores. For non-Yahoo! merchants, a spider analyzes the HTML to find pricing information, product descriptions, and order buttons. mySimon uses menus to help start a search, and keywords to narrow it, and **AuctionBot** is an experimental, **Internet** -based **auction server** that lets anyone run an **auction** on the **Internet** . Tete-a-Tete is an MIT experiment that uses an end-to-end negotiations approach to **Internet** sales and provides agents to represent consumers and merchants. Market Maker is another MIT project that also uses agents, but the agents are on a more equal footing.

COMPANY NAME: DealTime Inc (680559); America Online Inc (461857); Yahoo! Inc (610909); mySimon Inc (663719); Massachusetts Institute of Technology (MIT) (635537)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Artificial Intelligence; Front Ends; **Internet** Shopping; **Portals** ; Search Engines; **Software Agents**

REVISION DATE: 20030221

7/5/46 (Item 3 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00121130 DOCUMENT TYPE: Review

PRODUCT NAMES: **Internet Shopping (840432)**

TITLE: **The Macworld Web Shopper's Companion: Find Great Presents and Good...**

AUTHOR: Zaret, Elliot

SOURCE: Macworld, p88(5) Jan 2000

ISSN: 0741-8647

HOME PAGE: <http://www.macworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A WebShoppers Companion for Macintosh users lists the best music (Amazon.com), book (Amazon.com), clothing (bluefly), toy (etoys), kitchenware (crateandbarrel), golf goods (chipshot), and wine (wine) sites. Topics covered are: being a smart shopper, including understanding return policies, noticing secure servers, calculating real prices, checking timing, inspecting wrapping choices, and the need for patience, and browsing for favorite click and mortar sites. Users can use directories provided on top sites that allow them to browse according to category or search over many sites for many items. Browsing is encouraged from Yahoo! Shopping, America Online, Excite, Lycos, and MSN. Shoppers should not overlook Amazon.com, which now offers books, music, electronics, toys, and videos. Amazon also partners with many sites for items not sold on Amazon's .



site, including clothes, sporting goods, pet supplies, and wine. Amazon also plans to expand services to allow smaller and larger merchants to sell items through new 'zShops.' Once the shopper finds a desired item, the Web can ease comparison shopping as well. MySimon, BottomDollar, and Compare-it.net allow comparison shopping, and buy.com and bluefly.com are sites that sell at a discount. Auction sites include leader eBay, which has excellent one-of-a-kind gifts and used electronics, while Amazon and Yahoo! have bargains. Various other useful sites are briefly described.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Apple Macintosh; **Auctions ; Internet Shopping ; MacOS;  
Software Agents**  
REVISION DATE: 20001130

7/5/47 (Item 4 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00120966 DOCUMENT TYPE: Review

PRODUCT NAMES: **Internet Shopping (840432); Shopbots (841196)**

TITLE: **PC Computing Insider's Guide to E-Shopping: Bargain Hunting**  
AUTHOR: Jerome, Marty  
SOURCE: PC/Computing, v12 n12 p223(2) Dec 1999  
ISSN: 0899-1847

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Among Web sites highlighted that help users find bargains are BottomDollar.com, DealTime.com, PriceScan, Internet Coupon Directory, Coolsavings.com, ShoppingList.com, Buy.com, Shopping.com, Wal-Mart Online, Priceline.com, NexTag.com, MP3.com, Cheap CDs, CDNow, Amazon.com, MPlayer.com, and Surplus **Auction**. Respond.com allows user to broadcast a product request by routing an anonymous request to the appropriate sellers in its **network**. When dealers have what the requester needs, or if they can refer the prospective buyer to someone else, they send a reply. BottomDollar, DealTime, and PriceScan are personal shopper-bots that can compare prices on many products, including appliances, sports equipment, clothes, gifts, and technology items. eSmarts and MySimon show a list of categories, and the user can drill down until the sought item is found. eSmarts and MySimon link to the merchandise sites instead of doing the searching. Internet Coupon Directory guides the user to discounts not available anywhere else, and Coolsavings provides discounts for shopping sites and bricks-and-mortar stores. Users also can use Buy.com, Shopping.com, and Wal-Mart Online for low prices on almost everything. Those seeking bargains on travel, new cars, and mortgages can check out Priceline, but if the site accepts a bid, the bidder must buy.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: **Auctions ; Front Ends; Internet Shopping; Portals ;  
Software Agents**  
REVISION DATE: 20010430

7/5/48 (Item 5 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00120131 DOCUMENT TYPE: Review

**PRODUCT NAMES: Software Agents (835561)**

**TITLE: The Trouble With Bots**  
**AUTHOR: Steinberg, Steve G**  
**SOURCE: Industry Standard, v2 n28 p60(1) Sep 27, 1999**  
**ISSN: 1098-9196**  
**HOME PAGE: http://www.thestandard.com**

**RECORD TYPE: Review**  
**REVIEW TYPE: Product Analysis**  
**GRADE: Product Analysis, No Rating**

One of the primary problems with software bots is the fact that they generate large quantities of meaningless charts. In addition, although Web sites need bots, they are generally less efficient than people. The eBay-type **auctions** also have sniper bots, or bots that wait in the wings of an auction as people bid. When the auction is about to end, they put in a bid a few dollars above the last bid and snap up the item, since the bidder with the fastest bot always wins. In a test in which bidders were bots written by economists, computer scientists, and Wall Street traders, the winning entry was just such a sniping bot. A second trial did not change the result. Therefore, in later rounds, when only the best bots were chosen, the market became almost entirely a competition between snipers. Then the market crashed because all bidders were equally quick. Therefore, bots could lead to higher prices. Online stores will most likely have such bots, and all will monitor each others' competitors and raise or lower prices, which can only mean more uniform and probably higher prices. Offline, the airline industry is a prime example of this trend.

**COMPANY NAME: Vendor Independent (999999)**  
**DESCRIPTORS: Auctions ; Internet Marketing ; Market Research; Software Agents ; System Monitoring**  
**REVISION DATE: 20000130**

7/5/49 (Item 6 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00119263 DOCUMENT TYPE: Review

**PRODUCT NAMES: Excite Product Finder (772836); Virtual Database (772844); mySimon (755141)**

**TITLE: Bot and Sold: Shopping bots can guarantee you the best price...**  
**AUTHOR: Costa, Dan**  
**SOURCE: Computer Shopper, v19 n8 p122(2) Aug 1999**  
**ISSN: 0886-0556**  
**HOME PAGE: http://www.computershopper.com**

**RECORD TYPE: Review**  
**REVIEW TYPE: Product Analysis**  
**GRADE: Product Analysis, No Rating**

Web shopping is made easier through the use of bot technology, which is found in Excite's Product Finder, Jungle's Virtual Database (purchased by Amazon), and mySimon. Bots collect real-time price information that best serves those shopping for commodity items and certain products like PCs. Excite acquired NetBot for its Jango shopping bot technology. This is now used in Excite's Product Finder for aggregating the best sites in product categories. Inktomi purchased C2B Technologies for its shopping software, which can compare 460,000 products from 170 merchants. Amazon bought Jungle and its Virtual Database software, which resulted in Jungle's ceasing to offer comparison services for anything sold by Amazon. A bot not yet affiliated with a shopping portal or specific merchant is mySimon. mySimon can search 10,000,000 products from over 1,300 merchants, relying on a business model more like the Yellow Pages. Merchants pay for placement, but not to be listed in mySimon. mySimon can also search auction sites, using proprietary bot technology known as a Virtual Learning Agent (VLA). VLA renders the bot more sensitive to changes in price and product information. Other **automated agents** serving shoppers **online** are in development. One, the chatterbot, is designed to fulfill a customer service function and mimic human interaction. Artificial Life is a leader in developing chatterbot technology.

COMPANY NAME: Excite@Home Inc (609951); Amazon.com Inc (646547); mySimon Inc (663719)  
DESCRIPTORS: Information Retrieval; **Internet Shopping; Portals ; Search Engine Placement; Search Engines; Software Agents**  
REVISION DATE: 20020330

7/5/50 (Item 7 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00117912 DOCUMENT TYPE: Review

**PRODUCT NAMES: Shopbots (841196)**

**TITLE: Shopbots**  
AUTHOR: Rudich, Joe  
SOURCE: Link-Up, v16 n4 p26(1) Jul/Aug 1999  
ISSN: 0734-988X  
HOMEPAGE: <http://www.infotoday.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Shopbots, which are **intelligent agents** that search for information **online** and automatically deliver it to the desktop over a **network**, can also automatically comparison-shop on the Web. Among bots available are Excite's ProductFinder, Inktomi's C2B, Amazon.com's Shop the eWeb, MySimon, Yahoo! Shopping, BargainFinder, Microsoft Bookfinder, PriceWatch, BottomDollar, and ComputerShopper from Ziff Davis Publishing. Although shopping agents have been touted as possible business-to-business tools, especially for commodity items, companies do not use them. Agent technology is, however, popular for consumer shopping on the Web. Some analysts say shopbots fall into three separate categories: Product brokers, which recommend products based on past choices or parameters stipulated by the buyer; merchant brokers, which gather price and availability information; and negotiating shopbots, which buy, sell, and bargain with other bots, based on user set parameters. Many auctions fall into the last category. New technologies include the Alexa navigation service, which operates with

a browser to provide added information about the site being viewed and to offer recommendations for other sites of interest. Shopbots can really help in finding the lowest prices for products, but not all online merchant like them or think they are good for e-commerce.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: **Internet** Marketing; **Internet** Shopping; Search Engines;  
**Software Agents**  
REVISION DATE: 20020330

7/5/51 (Item 8 from file: 256)  
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00117901 DOCUMENT TYPE: Review

PRODUCT NAMES: mySimon (755141); Bottomdollar.com (717533); Excite (594113); Yahoo! Shopping (767859); WebMarket (767867)

TITLE: Shopping Bots  
AUTHOR: Cohen, Alan  
SOURCE: PC Magazine, v18 n13 p35(1) Jul 1999  
ISSN: 0888-8509  
HOMEPAGE: <http://www.pcmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Comparison  
GRADE: Product Comparison, No Rating

Five shopping bots are compared. When a user visits a bot site and enters a product name as search criteria, the bot's agent searches the Web to find bargains. Although a good concept, the results delivered can be less than satisfactory. Sometimes the best deals are not located, and searches do not allow the level of precision now expected by Web surfers. Bottomdollar.com searches all the larger merchants for multiple search categories, and allows results to be sorted by price. Although testers were able to find a good deal on a 3Com Palm IIIx, generally Bottomdollar.com returned many unsuccessful results and left the best deals unfound. Excite shopping has a limited number of categories, and does not look for books and music; Excite has partnerships with Amazon.com and CDnow. It does make searching easy for such categories as computer hardware, which is broken into subcategories, and testers located many good deals. My Simon gets the highest rating. Testers found that it queried over 1,000 sites, and worked better than other shopping bots to find the best deals. Many categories covering just about any item that can be purchased on the **Web** are provided. Users can search **auction** sites and classified ads, and all larger merchants are searched. Results can be sorted by price, and book searches can be limited to hardcover, paperback, new, and used. Also reviewed are WebMarket and Yahoo! Shopping.

COMPANY NAME: mySimon Inc (663719); Network Commerce Inc (690155);  
Excite@Home Inc (609951); Yahoo! Inc (610909)  
DESCRIPTORS: IBM PC & Compatibles; **Internet** Shopping; Search Engines;  
**Software Agents**  
REVISION DATE: 20020330

7/5/52 (Item 9 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00115076 DOCUMENT TYPE: Review

PRODUCT NAMES: eSales 2.0 UNIX & Windows NT (719226); LiveExchange 2.0  
Solaris & Windows NT (730921); SuperDog for HTTP (727636); ecBuilder &  
ecBuilder Pro 4.0 Windows 9x & NT (722561)

TITLE: Four Commerce Packages And the Trends They Show  
AUTHOR: King, Nelson  
SOURCE: Internet World, v5 n9 p25(2) Mar 8, 1999  
ISSN: 1097-8291  
HOMEPAGE: <http://www.iw.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

Four e-commerce packages are reviewed and compared here, including eSales 2.0 for UNIX and Windows NT from Calico Technology, LiveExchange 2.2 for Solaris and Windows NT from Moai Technologies, SuperDog for HTTP from Internet Commerce Services (ICOMS), and ec Builder Pro 4.0 for Windows 95/98/NT from Multiactive Software. e-Sales uses artificial intelligence features to manage data, rules, and user interaction and can guide customers at e-commerce sites to automatic configuration processes based upon their hardware and software configuration. LiveExchange is a good package that appeals directly to **online auction** sites thanks to the program's use of virtual private **networks** to limit **auction** participation to selected users. SuperDog enables commerce site builders to easily enable **Web** pages and provides an HTML editor to insert buttons that tie users directly to back-end e-commerce packages. ec Builder Pro is the best of these four packages, offering great wizards and tools for crafting e-commerce sites.

COMPANY NAME: Calico Commerce Inc (622648); Moai Technologies Inc  
(651915); Internet Commerce Services Corp (654434); Multiactive  
Software Inc (441261)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Artificial Intelligence; IBM PC & Compatibles; **Internet**  
Marketing; Sales Force **Automation**; **Software Agents**; Solaris; UNIX  
; **Web** Site Design; Windows; Windows NT/2000  
REVISION DATE: 20030330

5/22/03

Set	Items	Description
S1	2891	(INTELLIGENT? OR SOFTWARE? OR AUTOMAT?)(2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	2334	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCHAUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION
S3	152075	BID OR BIDS OR BIDDING OR OFFER?
S4	331422	ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR HOME- PAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?
S5	97	S1(15N)(S2 OR S3)
S6	45	S5(20N)S4
S7	34	S6 AND IC=G06F?

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File 349:PCT FULLTEXT 1979-2002/UB=20030515,UT=20030508

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Dialog

Set	Items	Description
S1	16224	(INTELLIGENT? OR SOFTWARE? OR AUTOMAT?) (2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	24645	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCHAUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION
S3	176	S1 AND S2
S4	82	S3(20N) (ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CY- BER? OR LAN OR WAN OR SERVER?)
S5	56	S4 NOT PY>2000
S6	56	S5 NOT PD=20000921:20030522
S7	52	RD (unique items)

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File 475:Wall Street Journal Abs 1973-2003/May 20  
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
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File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Apr  
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Set	Items	Description
S1	2339	AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCH AUCTION? OR REVERSE AUCTION? OR INVERSE AUCTION
S2	130059	BID OR BIDS OR BIDDING OR OFFER?
S3	1255422	AGENT? OR REPRESENT? OR BEHALF OR BIDDER? ? OR SELLER?
S4	1196014	SELECT OR GROUP? OR CLASSIF? OR CHOOS?
S5	2508549	INFO OR INFORMATION OR DATA? ?
S6	518766	ONLINE OR ON() LINE OR INTERNET OR INTRANET OR WEB? OR HOME- PAGE OR HOME() PAGE OR NETWORK? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?
S7	435	S3(2N) SOFTWARE?
S8	1	S7 AND S1 AND S6
S9	230	S7 AND S6
S10	10	S9 AND S2
S11	1140	(INTELLIGENT? OR SOFTWARE OR AUTOMAT?) (2N) AGENT? OR INTELL- IGENT(2N) SOFTWARE?
S12	27	S11 AND (S1 OR S2) AND S6
S13	56	S11 AND S6 AND (TRANSACTION? OR TRADE? ? OR TRADING OR EXCHAN- GE? OR PURCHASES? OR BUYING OR SELLING)
S14	65	(S12 OR S13) AND IC=(G06F? OR H04L?)

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File 347: JAPIO Oct 1976-2003/Jan(Updated 030506)  
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File 350: Derwent WPIX 1963-2003/UD,UM &UP=200332  
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File 371: French Patents 1961-2002/BOPI 200209  
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Dialog

Set	Items	Description
S1	65559	(INTELLIGENT? OR 'SOFTWARE? OR AUTOMAT?) (2N)AGENT? OR INTEL- LIGENT(1N)SOFTWARE
S2	202	S1(15N)(AUCTION? OR META AUCTION? OR MULTIAUCTION? OR DUTCH- AUCTION? OR REVERSEAUCTION? OR INVERSEAUCTION)
S3	110	S2(10N)(ONLINE OR ON()LINE OR INTERNET OR INTRANET OR WEB? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR SERVER?)
S4	88	S3 NOT PY>2000
S5	42	RD (unique items)

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File 476:Financial Times Fulltext 1982-2003/May 22  
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